

NO RESPONSE FOR REASONS CHECKED			
	CANNOT COMPLY WITH SPECIFICATIONS		CANNOT MEET DELIVERY REQUIREMENT
	UNABLE TO IDENTIFY ITEM(S)		DO NOT REGULARLY MANUFACTURE OR SELL THE TYPE OF ITEMS INVOLVED
	OTHER (Specify)		
	WE DO	WE DO NOT, DESIRE TO BE RETAINED ON THE MAILING LIST FOR FUTURE PROCUREMENT OF THE TYPE OF ITEM(S) INVOLVED	
NAME AND ADDRESS OF FIRM (Include Zip Code)		SIGNATURE	
		TYPE OR PRINT NAME AND TITLE OF SIGNER	
<p>FROM:</p> <p style="text-align: right;">AFFIX STAMP HERE</p> <p style="text-align: center;">TO: Commercial Acquisition Department, Building 11 Naval Undersea Warfare Center Division, Newport Code 591, Simonpietri Drive Newport, RI 02841-1708</p> <p>SOLICITATION NO. <u>N66604-06-R-0092</u> DATE AND LOCAL TIME <u>2006 JAN 06, 2:00 P.M.</u></p>			

SECTION B SUPPLIES OR SERVICES AND PRICES/COSTS

B20 SUPPLIES/SERVICES AND PRICES - IDIQ FFP (NOV 2001)

This is an Indefinite Delivery-Indefinite Quantity contract with Firm Fixed Price provisions. Authorized Ordering Officers may issue orders for supplies or services in accordance with the schedule below. The Contractor shall perform in accordance with those orders.

Instructions to Offerors. Complete all Unit Price and Amount blocks below and return with your offer.

Item	Supplies/Services	Qty	Unit	U/Price	Amount
0001	Data per Exhibit "A", Contract Data Requirements List (CDRL) DD Form 1423	1	LO	NSP	NSP

The following Line Items are all for the identical product, **CAVES motion sensors / accelerometers**, per the attached Critical Item Performance Specification (CIPS), including a cable and connector. Within each year, the first set of CLINs is for items for which the cable and connector are supplied as Government Furnished Material (GFM) to be incorporated in the end product. The second set of CLINs is for items for which no GFM is provided.

Item	Supplies/Services	Qty	Unit	Unit Price
<i>For the first year of performance:</i>				
0100	Accelerometers, GFM provided, quantity between	10 and	50 EA	\$ _____
0101	Accelerometers, GFM provided, quantity between	51 and	100 EA	\$ _____
0102	Accelerometers, GFM provided, quantity between	101 and	200 EA	\$ _____
0103	Accelerometers, GFM provided, quantity between	201 and	400 EA	\$ _____
0104	Accelerometers, GFM provided, quantity between	401 and	800 EA	\$ _____
0105	Accelerometers, GFM provided, quantity between	801 and	2,000 EA	\$ _____
0110	Accelerometers, quantity between	10 and	50 EA	\$ _____
0111	Accelerometers, quantity between	51 and	100 EA	\$ _____
0112	Accelerometers, quantity between	101 and	200 EA	\$ _____
0113	Accelerometers, quantity between	201 and	400 EA	\$ _____
0114	Accelerometers, quantity between	401 and	800 EA	\$ _____
0115	Accelerometers, quantity between	801 and	2,000 EA	\$ _____
<i>For the second year of performance:</i>				
0200	Accelerometers, GFM provided, quantity between	10 and	50 EA	\$ _____
0201	Accelerometers, GFM provided, quantity between	51 and	100 EA	\$ _____
0202	Accelerometers, GFM provided, quantity between	101 and	200 EA	\$ _____
0203	Accelerometers, GFM provided, quantity between	201 and	400 EA	\$ _____
0204	Accelerometers, GFM provided, quantity between	401 and	800 EA	\$ _____
0205	Accelerometers, GFM provided, quantity between	801 and	2,000 EA	\$ _____
0210	Accelerometers, quantity between	10 and	50 EA	\$ _____
0211	Accelerometers, quantity between	51 and	100 EA	\$ _____
0212	Accelerometers, quantity between	101 and	200 EA	\$ _____
0213	Accelerometers, quantity between	201 and	400 EA	\$ _____
0214	Accelerometers, quantity between	401 and	800 EA	\$ _____
0215	Accelerometers, quantity between	801 and	2,000 EA	\$ _____

Item	Supplies/Services	Qty	Unit	Unit Price
For the third year of performance:				
0300	Accelerometers, GFM provided, quantity between	10 and	50 EA	\$ _____
0301	Accelerometers, GFM provided, quantity between	51 and	100 EA	\$ _____
0302	Accelerometers, GFM provided, quantity between	101 and	200 EA	\$ _____
0303	Accelerometers, GFM provided, quantity between	201 and	400 EA	\$ _____
0304	Accelerometers, GFM provided, quantity between	401 and	800 EA	\$ _____
0305	Accelerometers, GFM provided, quantity between	801 and	2,000 EA	\$ _____
0310	Accelerometers, quantity between	10 and	50 EA	\$ _____
0311	Accelerometers, quantity between	51 and	100 EA	\$ _____
0312	Accelerometers, quantity between	101 and	200 EA	\$ _____
0313	Accelerometers, quantity between	201 and	400 EA	\$ _____
0314	Accelerometers, quantity between	401 and	800 EA	\$ _____
0315	Accelerometers, quantity between	801 and	2,000 EA	\$ _____
For the fourth year of performance:				
0400	Accelerometers, GFM provided, quantity between	10 and	50 EA	\$ _____
0401	Accelerometers, GFM provided, quantity between	51 and	100 EA	\$ _____
0402	Accelerometers, GFM provided, quantity between	101 and	200 EA	\$ _____
0403	Accelerometers, GFM provided, quantity between	201 and	400 EA	\$ _____
0404	Accelerometers, GFM provided, quantity between	401 and	800 EA	\$ _____
0405	Accelerometers, GFM provided, quantity between	801 and	2,000 EA	\$ _____
0410	Accelerometers, quantity between	10 and	50 EA	\$ _____
0411	Accelerometers, quantity between	51 and	100 EA	\$ _____
0412	Accelerometers, quantity between	101 and	200 EA	\$ _____
0413	Accelerometers, quantity between	201 and	400 EA	\$ _____
0414	Accelerometers, quantity between	401 and	800 EA	\$ _____
0415	Accelerometers, quantity between	801 and	2,000 EA	\$ _____
For the fifth year of performance:				
0500	Accelerometers, GFM provided, quantity between	10 and	50 EA	\$ _____
0501	Accelerometers, GFM provided, quantity between	51 and	100 EA	\$ _____
0502	Accelerometers, GFM provided, quantity between	101 and	200 EA	\$ _____
0503	Accelerometers, GFM provided, quantity between	201 and	400 EA	\$ _____
0504	Accelerometers, GFM provided, quantity between	401 and	800 EA	\$ _____
0505	Accelerometers, GFM provided, quantity between	801 and	2,000 EA	\$ _____
0510	Accelerometers, quantity between	10 and	50 EA	\$ _____
0511	Accelerometers, quantity between	51 and	100 EA	\$ _____
0512	Accelerometers, quantity between	101 and	200 EA	\$ _____
0513	Accelerometers, quantity between	201 and	400 EA	\$ _____
0514	Accelerometers, quantity between	401 and	800 EA	\$ _____
0515	Accelerometers, quantity between	801 and	2,000 EA	\$ _____

SECTION C DESCRIPTION / SPECIFICATIONS/WORK STATEMENT

C10 SPECIFICATIONS, AMENDMENTS OR REVISIONS APPLICABLE

SUPPLIES to be furnished under the contract shall comply with the following Descriptions or Specifications:

<u>ITEM</u>	<u>DESCRIPTION/SPECIFICATION</u>
0100-0515	Critical Item Performance Specification (CIPS) for CAVES motion sensors / accelerometers

C24 SECURITY REQUIREMENTS

The Contractor shall comply with Attachment #3, DD Form 254, Contract Security Classification Specification, and any documents such as Classification Guides attached thereto or referenced thereon.

C54 UPDATING SPECIFICATIONS AND STANDARDS (NAVSEA) (AUG 1994)

If, during the performance of this or any other contract, the contractor believes that any contract contains outdated or different versions of any specifications or standards, the contractor may request that all of its contracts be updated to include the current version of the applicable specification or standard. Updating shall not affect the form, fit or function of any deliverable item or increase the cost/price of the item to the Government. The contractor should submit update requests to the Procuring Contracting Officer with copies to the Administrative Contracting Officer and cognizant program office representative for approval. The contractor shall perform the contract in accordance with the existing specifications and standards until notified of approval/disapproval by the Procuring Contracting Officer. Any approved alternate specifications or standards will be incorporated into the contract.

SECTION D PACKAGING AND MARKING

D11 PRESERVATION, PACKAGING, PACKING AND MARKING (SEP 2001)

Preservation, packaging, packing, and marking shall be in accordance with ASTM D 3951-98, "Standard Practice for Commercial Packaging". Additionally, the Contractor shall mark all packages with the following, as appropriate:

CONTRACT NUMBER: <i>(from DD Form 1447 Block 2 or DD Form 1155 Block 1)</i>			
ORDER NUMBER (if an Indefinite Delivery contract): <i>(from DD Form 1155 Block 2)</i>			
REQUISITION NUMBER: <i>(DD Form 1155 Block 4)</i>			
MARK FOR:	Dr. Victor Evora	1514	(401) 832 1522
	Name	Code	Telephone No.

D20 DELIVERY OF DATA (SEP 2001)

- (a) Data furnished hereunder shall be adequately packaged to assure safe delivery at destination.
- (b) Transmittal of classified information by mail shall be in accordance with the National Industrial Security Program Operating Manual (NISPOM) for Safeguarding Classified Information (DOD 5220.22-M).
- (c) All copies of CDRL items under this contract, regardless of distribution, shall be marked on the report cover with the following information:

Naval Undersea Warfare Center Division, Newport
Contract, Order, and ELIN Numbers
Report Title
Date of Report
Contractor Name (division which generated the report)

D24 PROHIBITED PACKING MATERIALS

The use of asbestos, excelsior, newspaper or shredded paper (all types including waxed paper, computer paper and similar hygroscopic or non-neutral material) is prohibited. In addition, loose fill polystyrene is prohibited for shipboard use.

SECTION E INSPECTION AND ACCEPTANCE

The following contract clauses are hereby incorporated by reference:

<u>Number</u>	<u>Title</u>	<u>Date</u>
52.246-2	INSPECTION OF SUPPLIES - FIXED PRICE	(AUG 1996)
252.246-7000	MATERIAL INSPECTION AND RECEIVING REPORT	(MAR 2003)

SECTION F DELIVERIES OR PERFORMANCE

The following contract clauses are hereby incorporated by reference:

<u>Number</u>	<u>Title</u>	<u>Date</u>
52.211-16	VARIATION IN QUANTITY para.(b) fill-ins: variation shall be limited to: <u>zero</u> Percent increase <u>zero</u> Percent decrease shall apply to: <u>the total contract quantity</u> .	(APR 1984)
52.242-15	STOP-WORK ORDER	(AUG 1989)
52.242-17	GOVERNMENT DELAY OF WORK	(APR 1984)
52.247-29	F.O.B. ORIGIN	(JUN 1988)

F10 DELIVERY AT ORIGIN - GBL

(a) The articles to be furnished hereunder shall be delivered in accordance with the clause entitled, F.O.B. Origin (FAR 52.247-29), free of expense to the Government, F.O.B. carriers equipment, wharf, or freight station located at or near *

for shipment at Government expense, except as provided in FAR 52.247-29(c) to the following destination: To be specified on each order (normally NUWC Newport).

(b) The mode of transportation, type of vehicle and exact place of delivery at or near F.O.B. origin point named above shall be specified by the Government at the time of shipment.

* Offeror shall fill in location.

F11-8C TIME OF DELIVERY (FAR 52.211-8) (JUN 1997) - ALT III (APR 1984)

(a) The Government requires delivery to be made according to the following schedule:

For all production CLINs, the first 100 items are due within 16 weeks of the effective date of the delivery order; the remainder are due at the rate of 100 per week.

(b) Maximum required production rate: For orders after the first production order: Notwithstanding other requirements of this contract, delivery shall be considered timely if the contractor delivers a minimum of 100 items per week.

(c) Partial deliveries are authorized.

F20 PERFORMANCE PERIOD (SEP 2001)

(a) For planning and proposal purposes this contract will become effective on 2006 JAN 01. The actual effective date shall be established at contract award and will be set forth on the face page of the contract. The ordering period is defined in the clause entitled, Ordering (FAR 52.216-18).

(b) The performance period shall continue until the date specified in the clause entitled, Requirements (FAR 52.216-21), or Indefinite Quantity (FAR 52.216-22), whichever is applicable.

(c) Individual orders will specify an effective date and a delivery date.

F23 DELIVERY OF DATA - IDIQ (SEP 2001)

Place and time of delivery of data shall be as specified on the DD Form 1423, Contract Data Requirements List (CDRL), supplied with each order. CDRLs included in the basic contract are representative of data likely to be

required during performance. The CDRLs furnished with the individual Orders shall control. Any change in the delivery of data must be made by a formal modification to the order.

SECTION G CONTRACT ADMINISTRATION DATA

G10 CONTRACTUAL AUTHORITY AND COMMUNICATIONS (JAN 2004)

- (a) Except as specified in subparagraph (b) below, no order, statement, or conduct of any Government personnel who visit the Contractor's facilities or in any other manner communicates with Contractor personnel during the performance of this contract shall constitute a change under the Changes clause of this contract.
- (b) The Contractor shall not comply with any order, direction or request of Government personnel unless it is issued in writing and signed by the Contracting Officer, or is pursuant to specific authority otherwise included as a part of this contract.
- (c) The Contracting Officer is the only person authorized to approve changes in any of the requirements of this contract and, notwithstanding provisions contained elsewhere in this contract, the said authority remains solely the Contracting Officer's. In the event the contractor effects any change at the direction of any person other than the Contracting Officer, the change will be considered to have been made without authority and no adjustment will be made in the contract price to cover any increase in charges incurred as a result thereof.
- (d) The Government reserves the right to administratively transfer authority over this contract from the individual named below to another Contracting Officer at any time.
- (e) (For Indefinite Delivery contracts only) Ordering Officers are Contracting Officers of the Naval Undersea Warfare Center Division, Newport. However, their authority extends only to the order that they sign.
- (f) The address and telephone number of the Contracting Officer is:

Name: Richard L. Hall

Address: Commercial Acquisition Department, Building 11
Naval Undersea Warfare Center Division, Newport
Code 5913
Simonpietri Drive
Newport, RI 02841-1708

Telephone: Commercial: 401-832-1522; DSN: 432-1522

Email: hallrl@npt.nuwc.navy.mil

G18 CONTRACT ADMINISTRATION FUNCTIONS (HARDWARE)

- (a) The cognizant Administrative Contracting Office for this contract is identified in Block 12 on page one of this contract.
- (b) The Administrative Contracting Officer (ACO) is delegated the following functions:
- (1) All functions of FAR 42.302(a). (This includes inspection and acceptance as part of (38).)
 - (2) The function of FAR 42.302(b)(4); negotiating and executing supplemental agreements providing for the deobligation of unexpended dollar balances considered excess to known contract requirements, and for the crediting of any overpayments made to the contractor. Attach a copy of the modification to the DD 1594 and forward to the PCO address (Attn: Code 5912 -- CLOSEOUT)
 - (3) The function of FAR 42.302(b)(6).
- (c) If the ACO identifies a contract administration problem, the remedy for which is not covered by the above, the ACO shall request the PCO to delegate additional functions as necessary. The PCO may delegate authority by letter.

G24 DELAY IN DELIVERY NOTIFICATION

The cognizant CAS component shall, in accordance with FAR 42.1104(a)(2)(vii), notify the Procuring Contracting Officer of any anticipated or actual delay in delivery or performance of this contract.

G40 TRANSPORTATION ACCOUNTING CODE

Government Bills of Lading shall use the following Transportation Accounting Code (TAC): tbd.

SECTION H SPECIAL CONTRACT REQUIREMENTS

HX28 MINIMUM AND MAXIMUM QUANTITIES

As referred to in paragraph (b) of the clause entitled, Indefinite Quantity (FAR 52.216-22), the contract minimum quantity is 100 units. The contract maximum quantity is 4,000 units.

HX29 ORDERING (MAY 2002)

(a) Ordering. Orders may be placed by any Contracting Officer of the Naval Undersea Warfare Center Division, Newport. All orders will be placed unilaterally. Any disagreement concerning the issuance of a unilateral order shall be deemed a dispute within the meaning of the Disputes clause.

(b) Forms: All orders must be on a DD Form 1155. Orders may be sent by mail, by FAX, or by emailing a file that contains the order with the contracting officer's signature. See FAR 52.216-18 for additional information.

(b) Information: Each order should include the following:

- (1) Date of order,
- (2) Contract and order number,
- (3) Appropriation and accounting data,
- (4) Specific line item(s) to be delivered,
- (5) Destination(s)
- (6) Delivery date(s)
- (7) Whether the cable and connector will be supplied as GFM.

(All orders shall include CLIN 0001 Data.)

HX61 GOVERNMENT FURNISHED PROPERTY (GFP) (SEP 2001)

(a) The Government shall will not furnish and equipment for use in connection with this contract.

(b) Individual delivery orders may provide a cable and connector (unassembled) consistent with the CIPS. All other material required for the performance of this contract shall be furnished by the Contractor. GFP furnished under this contract is for use exclusively under this contract unless specified otherwise in writing by the Contracting Officer.

(c) All Government Property furnished under this contract shall be returned to NUWCDIVNPT at the completion of the contract unless otherwise specified. The Contractor shall immediately advise the Contracting Officer, in writing, of any property lost, damaged, or transferred out of the Contractor's possession.

H71 CONTROL OF TECHNICAL DATA (JUN 2002)

(a) The Contractor shall distribute data items according to the distribution shown on the Contract Data Requirements List(s) (CDRL), provided as an Exhibit to this contract. The Contractor shall not distribute, release, or show data items or other technical data to third parties except with the written permission of the Contracting Officer.

(b) All copies of CDRL items under this contract, regardless of distribution, shall be marked on the report cover with the following information:

- (1) Naval Undersea Warfare Center Division, Newport
- (2) Contract, Order, and ELIN Numbers
- (3) Report Title
- (4) Date of Report
- (5) Contractor (division which generated the report)

(c) Release of all technical data is subject to NUWCDIVNPT INSTRUCTION 5570.1H, OPNAVINST 5510.161 and DoD Directive 5230.25 (or appropriate superseding document).

SECTION I CONTRACT CLAUSES

The following contract clauses are hereby incorporated by reference:

<u>Number</u>	<u>Title</u>	<u>Date</u>
52.202-1	DEFINITIONS	(JUL 2004)
52.203-3	GRATUITIES	(APR 1984)
52.203-5	COVENANT AGAINST CONTINGENT FEES	(APR 1984)
52.203-6	RESTRICTIONS ON SUBCONTRACTOR SALES TO THE GOVERNMENT	(JUL 1995)
52.203-7	ANTI-KICKBACK PROCEDURES	(JUL 1995)
52.203-8	CANCELLATION, RESCISSION, AND RECOVERY OF FUNDS FOR ILLEGAL OR IMPROPER ACTIVITY	(JAN 1997)
52.203-10	PRICE OR FEE ADJUSTMENT FOR ILLEGAL OR IMPROPER ACTIVITY	(JAN 1997)
52.203-12	LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS	(JUN 2003)
252.203-7001	PROHIBITION ON PERSONS CONVICTED OF FRAUD OR OTHER DEFENSE-CONTRACT-RELATED FELONIES	(DEC 2004)
52.204-2	SECURITY REQUIREMENTS	(AUG 1996)
52.204-4	PRINTED OR COPIED DOUBLE-SIDED ON RECYCLED PAPER	(AUG 2000)
52.204-7	CENTRAL CONTRACTOR REGISTRATION WITH DFARS 252.204-7004 (ALT A) (NOV 2003)	(OCT 2003)
252.204-7002	PAYMENT FOR SUBLINE ITEMS NOT SEPARATELY PRICED	(DEC 1991)
252.204-7003	CONTROL OF GOVERNMENT PERSONNEL WORK PRODUCT	(APR 1992)
252.204-7005	ORAL ATTESTATION OF SECURITY RESPONSIBILITIES	(AUG 1999)
252.205-7000	PROVISION OF INFORMATION TO COOPERATIVE AGREEMENT HOLDERS	(DEC 1991)
52.209-6	PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT	(JAN 2005)
252.209-7000	ACQUISITION FROM SUBCONTRACTORS SUBJECT TO ON-SITE INSPECTION UNDER THE INTERMEDIATE-RANGE NUCLEAR FORCES (INF) TREATY	(NOV 1995)
252.209-7004	SUBCONTRACTING WITH FIRMS THAT ARE OWNED OR CONTROLLED BY THE GOVERNMENT OF A TERRORIST COUNTRY	(MAR 1998)
52.211-5	MATERIAL REQUIREMENTS	(AUG 2000)
52.211-15	DEFENSE PRIORITY AND ALLOCATION REQUIREMENTS	(SEP 1990)
52.215-2	AUDIT AND RECORDS - NEGOTIATION	(JUN 1999)
52.215-8	ORDER OF PRECEDENCE -- UNIFORM CONTRACT FORMAT	(OCT 1997)
52.215-11	PRICE REDUCTION FOR DEFECTIVE COST OR PRICING DATA -- MODIFICATIONS	(OCT 1997)
52.215-13	SUBCONTRACTOR COST OR PRICING DATA -- MODIFICATIONS	(OCT 1997)
52.215-14	INTEGRITY OF UNIT PRICES	(OCT 1997)
252.215-7000	PRICING ADJUSTMENTS	(DEC 1991)
52.216-18	ORDERING para.(a) fill-in: from <u>contract effective date</u> para.(a) fill-in: through <u>59 months after contract effective date.</u>	(OCT 1995)
52.216-19	ORDER LIMITATIONS para.(a) fill-in: less than <u>10 units</u> , para.(b)(1) fill-in: in excess of <u>2,000 units</u> ; para.(b)(2) fill-in: in excess of <u>2,000 units</u> ; para.(b)(3) fill-in: within <u>365</u> days... para.(d) fill-in: within <u>30</u> days...	(OCT 1995)
52.216-22	INDEFINITE QUANTITY para.(d) fill-in: after <u>60 months after contract effective date.</u>	(OCT 1995)
52.219-8	UTILIZATION OF SMALL BUSINESS CONCERNS	(MAY 2004)

52.219-9	SMALL BUSINESS SUBCONTRACTING PLAN - ALT II (OCT 2000)	(OCT 2001)
52.219-16	LIQUIDATED DAMAGES – SUBCONTRACTING PLAN	(JAN 1999)
252.219-7003	SMALL, SMALL DISADVANTAGED AND WOMEN-OWNED SMALL BUSINESS SUBCONTRACTING PLAN (DOD CONTRACTS)	(APR 1996)
52.222-19	CHILD LABOR - COOPERATION WITH AUTHORITIES AND REMEDIES	(JUN 2004)
52.222-20	WALSH-HEALEY PUBLIC CONTRACTS ACT	(DEC 1996)
52.222-21	PROHIBITION OF SEGREGATED FACILITIES	(FEB 1999)
52.222-26	EQUAL OPPORTUNITY	(FEB 1999)
52.222-35	EQUAL OPPORTUNITY FOR SPECIAL DISABLED VETERANS, VETERANS OF THE VIETNAM ERA, AND OTHER ELIGIBLE VETERANS	(DEC 2001)
52.222-36	AFFIRMATIVE ACTION FOR WORKERS WITH DISABILITIES	(JUN 1998)
52.222-37	EMPLOYMENT REPORTS ON SPECIAL DISABLED VETERANS, VETERANS OF THE VIETNAM ERA, AND OTHER ELIGIBLE VETERANS	(DEC 2001)
52.222-39	NOTIFICATION OF EMPLOYEE RIGHTS CONCERNING PAYMENT OF UNION DUES OR FEES	(DEC 2004)
52.223-6	DRUG-FREE WORKPLACE	(MAY 2001)
52.223-14	TOXIC CHEMICAL RELEASE REPORTING	(AUG 2003)
252.223-7004	DRUG-FREE WORK FORCE	(SEP 1988)
52.225-8	DUTY-FREE ENTRY	(FEB 2000)
52.225-13	RESTRICTIONS ON CERTAIN FOREIGN PURCHASES	(MAR 2005)
252.225-7001	BUY AMERICAN ACT AND BALANCE OF PAYMENTS PROGRAM	(APR 2003)
252.225-7002	QUALIFYING COUNTRY SOURCES AS SUBCONTRACTORS	(APR 2003)
252.225-7012	PREFERENCE FOR CERTAIN DOMESTIC COMMODITIES	(JUN 2004)
52.226-1	UTILIZATION OF INDIAN ORGANIZATIONS AND INDIAN-OWNED ECONOMIC ENTERPRISES	(JUN 2000)
252.226-7001	UTILIZATION OF INDIAN ORGANIZATIONS, INDIAN-OWNED ECONOMIC ENTERPRISES, AND NATIVE HAWAIIAN SMALL BUSINESS CONCERNS	(SEP 2004)
52.227-1	AUTHORIZATION AND CONSENT	(JUL 1995)
52.227-2	NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT INFRINGEMENT	(AUG 1996)
252.227-7013	RIGHTS IN TECHNICAL DATA -- NONCOMMERCIAL ITEMS	(NOV 1995)
252.227-7016	RIGHTS IN BID OR PROPOSAL INFORMATION	(JUN 1995)
252.227-7025	LIMITATIONS ON THE USE OR DISCLOSURE OF GOVERNMENT-FURNISHED INFORMATION MARKED WITH RESTRICTIVE LEGENDS	(JUN 1995)
252.227-7026	DEFERRED DELIVERY OF TECHNICAL DATA OR COMPUTER SOFTWARE	(APR 1988)
252.227-7027	DEFERRED ORDERING OF TECHNICAL DATA OR COMPUTER SOFTWARE	(APR 1988)
252.227-7030	TECHNICAL DATA - WITHHOLDING OF PAYMENT	(MAR 2000)
252.227-7037	VALIDATION OF RESTRICTIVE MARKINGS ON TECHNICAL DATA	(SEP 1999)
52.229-3	FEDERAL, STATE, AND LOCAL TAXES	(APR 2003)
52.230-2	COST ACCOUNTING STANDARDS	(APR 1998)
52.230-6	ADMINISTRATION OF COST ACCOUNTING STANDARDS	(APR 2005)
252.231-7000	SUPPLEMENTAL COST PRINCIPLES	(DEC 1991)
52.232-1	PAYMENTS	(APR 1984)
52.232-8	DISCOUNTS FOR PROMPT PAYMENT	(FEB 2002)
52.232-9	LIMITATION ON WITHHOLDING OF PAYMENTS	(APR 1984)
52.232-11	EXTRAS	(APR 1984)
52.232-17	INTEREST	(JUN 1996)
52.232-23	ASSIGNMENT OF CLAIMS - ALT I (APR 1984)	(JAN 1986)
52.232-25	PROMPT PAYMENT	(OCT 2003)
52.232-33	PAYMENT BY ELECTRONIC FUNDS TRANSFER – CENTRAL CONTRACTOR REGISTRATION	(OCT 2003)
252.232-7003	ELECTRONIC SUBMISSION OF PAYMENT REQUESTS	(JAN 2004)

52.233-1	DISPUTES	(JUL 2002)
52.233-3	PROTEST AFTER AWARD	(AUG 1996)
52.233-4	APPLICABLE LAW FOR BREACH OF CONTRACT CLAIM	(OCT 2004)
52.242-13	BANKRUPTCY	(JUL 1995)
252.242-7000	POSTAWARD CONFERENCE	(DEC 1991)
252.242-7003	APPLICATION FOR U.S. GOVERNMENT SHIPPING DOCUMENTATION / INSTRUCTIONS	(DEC 1991)
52.242-7004	MATERIAL MANAGEMENT AND ACCOUNTING SYSTEM	(DEC 2000)
52.243-1	CHANGES - FIXED PRICE	(AUG 1987)
252.243-7001	PRICING OF CONTRACT MODIFICATIONS	(DEC 1991)
252.243-7002	REQUESTS FOR EQUITABLE ADJUSTMENT	(MAR 1998)
52.244-6	SUBCONTRACTS FOR COMMERCIAL ITEMS	(DEC 2004)
252.244-7000	SUBCONTRACTS FOR COMMERCIAL ITEMS AND COMMERCIAL COMPONENTS	(MAR 2000)
52.245-2	GOVERNMENT PROPERTY (FIXED-PRICE CONTRACTS)	(MAY 2004)
252.245-7001	REPORTS OF GOVERNMENT PROPERTY	(MAY 1994)
52.246-23	LIMITATION OF LIABILITY	(FEB 1997)
52.247-1	COMMERCIAL BILL OF LADING NOTATIONS para.(a) fill-in: Naval Undersea Warfare Center, Division Newport para.(b) fill-in: Naval Undersea Warfare Center, Division Newport para (b) fill-in: contacting the office identified in block 12 of the SF 1447.	(APR 1984)
252.247-7023	TRANSPORTATION OF SUPPLIES BY SEA	(MAY 2002)
252.247-7024	NOTIFICATION OF TRANSPORTATION OF SUPPLIES BY SEA	(MAR 2000)
52.249-2	TERMINATION FOR CONVENIENCE OF THE GOVERNMENT (FIXED-PRICE)	(MAY 2004)
52.249-8	DEFAULT (FIXED-PRICE SUPPLY AND SERVICE)	(APR 1984)
52.253-1	COMPUTER GENERATED FORMS	(JAN 1991)

IS2-2 CLAUSES INCORPORATED BY REFERENCE (FAR 52.252-2) (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es): <http://www.arnet.gov/far/>

SECTION J LIST OF ATTACHMENTS

<u>EXHIBIT</u>	<u>TITLE</u>	<u>PAGES</u>
"A"	DD Form 1423, Contract Data Requirements List (First Article and non-recurring data)	1
	Addendum	1
<u>ATTACHMENT</u>		
1	Statement of Work	1
2	Critical Item Product Functional Specification	11
2A	Classified appendix to CIPS	1
3	DD Form 254, DoD Contract Security Classification Specification	
<u>CLASSIFIED DOCUMENTATION</u>		
2A	Classified Appendix to CIPS (CONFIDENTIAL)	1

Offerors must request the classified appendix by contacting the PCO by email or ordinary mail. Include the CAGE code of the business segment that proposes to perform the contract. Include contact information for person(s) cognizant of security matters.

**SECTION K REPRESENTATIONS, CERTIFICATIONS, AND OTHER STATEMENTS
OF OFFERORS OR RESPONDENTS**

The following solicitation provisions are hereby incorporated by reference:

<u>Number</u>	<u>Title</u>	<u>Date</u>
252.225-7031	SECONDARY ARAB BOYCOTT OF ISRAEL	(APR 2003)

K16 OFFEROR DATA (JAN 2004)

(a) The offeror shall identify the individuals that are authorized to negotiate on its behalf with the Government in connection with this solicitation:

<u>Name</u>	<u>Title</u>	<u>Telephone Number</u>	<u>E-mail address</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

(b) Offerors shall provide the data requested below. Provide the data for each subcontractor exceeding \$100,000.

(1) Contractor Identification Data.

DUNS Number _____

CAGE Code _____

(2) Contractor Systems Approval Data. Explain any disapproval, or approval pending, etc. in the cost proposal.

(i) Accounting System (All contracts other than Firm Fixed Price)

Date Submitted _____ Date Approved _____ By _____

Limitations _____

(ii) Cost Accounting Standards Disclosure Statement (Large Businesses Only)

Date Submitted _____ Date Approved _____ By _____

Latest Revision of CASB

Date Submitted _____ Date Approved _____ By _____

Potential Non-Compliances (As notified by ACO) _____

(iii) Purchasing System (See FAR 44.302)

Date Submitted _____ Date Approved _____ By _____

(iv) Forward Pricing Rate Agreement (If Applicable)

Date Submitted _____ Date Approved _____ By _____

(v) Facilities Clearance (Security) (If Required by DD Form 254)

Date Submitted _____ Date Approved _____ By _____

(3) Contract Administration Data. Identify the cognizant Defense Contracting Management (DCM) Agency and Defense Contract Audit Agency (DCAA) offices.

DCM Office _____

ACO (or POC) Name and Telephone _____

DCAA Office _____

Auditor (or POC) Name and Telephone _____

K04-8 ANNUAL REPRESENTATIONS AND CERTIFICATIONS (FAR 52.204-8) (JAN 2005)

(a) (1) If the clause at 52.204-7, Central Contractor Registration, is included in this solicitation, paragraph (b) of this provision applies.

(2) If the clause at 52.204-7 is not included in this solicitation, and the offeror is currently registered in CCR, and has completed the ORCA electronically, the offeror may choose to use paragraph (b) of this provision instead of completing the corresponding individual representations and certifications in the solicitation. The offeror shall indicate which option applies by checking one of the following boxes:

☐ (i) Paragraph (b) applies.

☐ (ii) Paragraph (b) does not apply and the offeror has completed the individual representations and certifications in the solicitation.

(b) The offeror has completed the annual representations and certifications electronically via the Online Representations and Certifications Application (ORCA) website at <http://orca.bpn.gov>. After reviewing the ORCA database information, the offeror verifies by submission of the offer that the representations and certifications currently posted electronically have been entered or updated within the last 12 months, are current, accurate, complete, and applicable to this solicitation (including the business size standard applicable to the NAICS code referenced for this solicitation), as of the date of this offer and are incorporated in this offer by reference (see FAR 4.1201); except for the changes identified below *[offeror to insert changes, identifying change by clause number, title, date]*. These amended representation(s) and/or certification(s) are also incorporated in this offer and are current, accurate, and complete as of the date of this offer.

<u>FAR Clause</u>	<u>Title</u>	<u>Date</u>	<u>Change</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Any changes provided by the offeror are applicable to this solicitation only, and do not result in an update to the representations and certifications posted on ORCA.

K07-4 ECONOMIC PURCHASE QUANTITY - SUPPLIES (FAR 52.207-4) (AUG 1987)

(a) Offerors are invited to state an opinion on whether the quantity(ies) of supplies on which bids, proposals or quotes are requested in this solicitation is (are) economically advantageous to the Government.

(b) Each offeror who believes that acquisitions in different quantities would be more advantageous is invited to recommend an economic purchase quantity. If different quantities are recommended, a total and a unit price must be quoted for applicable items. An economic purchase quantity is that quantity at which a significant price break occurs. If there are significant price breaks at different quantity points, this information is desired as well.

OFFEROR RECOMMENDATIONS

ITEM	QUANTITY	PRICE QUOTATION	TOTAL
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

(c) The information requested in this provision is being solicited to avoid acquisitions in disadvantageous quantities and to assist the Government in developing a data base for future acquisitions of these items. However, the Government reserves the right to amend or cancel the solicitation and resolicit with respect to any individual item in the event quotations received and the Government's requirements indicate that different quantities should be acquired.

K09-7001 DISCLOSURE OF OWNERSHIP OR CONTROL BY THE GOVERNMENT OF A TERRORIST COUNTRY (DFARS 252.209-7001) (SEP 2004)

(a) Definitions. As used in this provision--

(1) "Government of a terrorist country" includes the state and the government of a terrorist country, as well as any political subdivision, agency, or instrumentality thereof.

(2) "Terrorist country" means a country determined by the Secretary of State, under section 6(j)(1)(A) of the Export Administration Act of 1979 (50 U.S.C. App. 2405(j)(i)(A)), to be a country the government of which has repeatedly provided support for acts of international terrorism. As of the date of this provision, terrorist countries subject to this provision include: Cuba, Iran, Libya, North Korea, Sudan, and Syria.

(3) "Significant interest" means--

(i) Ownership of or beneficial interest in 5 percent or more of the firm's or subsidiary's securities. Beneficial interest includes holding 5 percent or more of any class of the firm's securities in "nominee shares", "street names", or some other method of holding securities that does not disclose the beneficial owner;

(ii) Holding a management position in the firm such as director or officer;

(iii) Ability to control or influence the election, appointment, or tenure of directors or officers in the firm;

(iv) Ownership of 10 percent or more of the assets of a firm such as equipment, buildings, real estate, or other tangible assets of the firm; or

(v) Holding 50 percent or more of the indebtedness of a firm.

(b) Prohibition on award. In accordance with 10 U.S.C. 2327, no contract may be awarded to a firm or a subsidiary of a firm if the government of a terrorist country has a significant interest in the firm or subsidiary or, in the case of a subsidiary, the firm that owns the subsidiary, unless a waiver is granted by the Secretary of Defense.

(c) Disclosure. If the government of a terrorist country has a significant interest in the Offeror or a subsidiary of the Offeror, the Offeror shall disclose such interest in an attachment to its offer. If the Offeror is a subsidiary, it shall also disclose any significant interest the government of a terrorist country has in any firm that owns or controls the subsidiary. The disclosure shall include-

(1) Identification of each government holding a significant interest; and

(2) A description of the significant interest held by each Government.

K11-7005 SUBSTITUTIONS FOR MILITARY OR FEDERAL SPECIFICATIONS AND STANDARDS (DFARS 252.211-7005) (FEB 2003)

(a) Definition. "SPI process," as used in this clause, means a management or manufacturing process that has been accepted previously by the Department of Defense under the Single Process Initiative (SPI) for use in lieu of a specific military or Federal specification or standard at specific facilities. Under SPI, these processes are reviewed and accepted by a Management Council, which includes representatives of the Contractor, the Defense Contract Management Agency, the Defense Contract Audit Agency, and the military departments.

(b) Offerors are encouraged to propose SPI processes in lieu of military or Federal specifications and standards cited in the solicitation. A listing of SPI processes accepted at specific facilities is available via the Internet in Excel format at <http://www.dema.mil/onebook/7.0/7.2./7.2.6/reports/modified.xls>.

(c) An offeror proposing to use an SPI process in lieu of military or Federal specifications or standards cited in the solicitation shall -

(1) Identify the specific military or Federal specification or standard for which the SPI process has been accepted;

- (2) Identify each facility at which the offeror proposes to use the specific SPI process in lieu of military or Federal specifications or standards cited in the solicitation;
- (3) Identify the contract line items, subline items, components, or elements affected by the SPI process; and
- (4) If the proposed SPI process has been accepted at the facility at which it is proposed for use, but is not yet listed at the Internet site specified in paragraph (b) of this clause, submit documentation of Department of Defense acceptance of the SPI process.

(d) Absent a determination that an SPI process is not acceptable for this procurement, the Contractor shall use the following SPI processes in lieu of military or Federal specifications or standards:

(Offeror insert information for each SPI process)

SPI Process: _____

Facility: _____

Military or Federal
Specification or Standard: _____

Affected Contract Line Item Number,
Subline Item Number, Component,
or Element: _____

(e) If a prospective offeror wishes to obtain, prior to the time specified for receipt of offers, verification that an SPI process is an acceptable replacement for military or Federal specifications or standards required by the solicitation, the prospective offeror -

- (1) May submit the information required by paragraph (d) of this clause to the Contracting Officer prior to submission of an offer; but
- (2) Must submit the information to the Contracting Officer at least 10 working days prior to the date specified for receipt of offers.

**K25-7000 BUY AMERICAN--BALANCE OF PAYMENTS PROGRAM CERTIFICATE
(DFARS 252.225-7000) (APR 2003)**

(a) Definitions. "Domestic end product," "foreign end product," "qualifying country," and "qualifying country end product," have the meanings given in the Buy American Act and Balance of Payments Program clause of this solicitation.

(b) Evaluation. The Government-

- (1) Will evaluate offers in accordance with the policies and procedures of Part 225 of the Defense Federal Acquisition Regulation Supplement; and
- (2) Will evaluate offers of qualifying country end products without regard to the restrictions of the Buy American Act or the Balance of Payments Program.

(c) Certifications and identification of country of origin.

- (1) For all line items subject to the Buy American Act and Balance of Payments Program clause of this solicitation, the offeror certifies that--
 - (i) Each end product, except those listed in paragraph (c)(2) or (3) of this provision, is a domestic end product; and
 - (ii) Components of unknown origin are considered to have been mined, produced, or manufactured outside the United States or a qualifying country.

(2) The offeror certifies that the following end products are qualifying country end products:

<u>Line Item No.</u>	<u>Country of Origin</u>
_____	_____
_____	_____
_____	_____

(3) The following end products are other foreign end products:

<u>Line Item No.</u>	<u>Country of Origin</u>
<hr/>	<hr/>
<hr/>	<hr/>

**K27-7017 IDENTIFICATION AND ASSERTION OF USE, RELEASE, OR DISCLOSURE
RESTRICTIONS (DFARS 252.227-7017) (JUN 1995)**

(a) The terms used in this provision are defined in following clause or clauses contained in this solicitation--

(1) If a successful offeror will be required to deliver technical data, the Rights in Technical Data--Noncommercial Items clause, or, if this solicitation contemplates a contract under the Small Business Innovative Research Program, the Rights in Noncommercial Technical Data and Computer Software--Small Business Innovative Research (SBIR) Program clause.

(2) If a successful offeror will not be required to deliver technical data, the Rights in Noncommercial Computer Software and Noncommercial Computer Software Documentation clause, or, if this solicitation contemplates a contract under the Small Business Innovative Research Program, the Rights in Noncommercial Technical Data and Computer Software--Small Business Innovative Research (SBIR) Program clause.

(b) The identification and assertion requirements in this provision apply only to technical data, including computer software documents, or computer software to be delivered with other than unlimited rights. For contracts to be awarded under the Small Business Innovative Research Program, the notification requirements do not apply to technical data or computer software that will be generated under the resulting contract. Notification and identification is not required for restrictions based solely on copyright.

(c) Offers submitted in response to this solicitation shall identify, to the extent known at the time an offer is submitted to the Government, the technical data or computer software that the Offeror, its subcontractors or suppliers, or potential subcontractors or suppliers, assert should be furnished to the Government with restrictions on use, release, or disclosure.

(d) The Offeror's assertions, including the assertions of its subcontractors or suppliers or potential subcontractors or suppliers shall be submitted as an attachment to its offer in the following format, dated and signed by an official authorized to contractually obligate the Offeror:

Identification and Assertion of Restrictions on the Government's Use, Release, or Disclosure of Technical Data or Computer Software.

The Offeror asserts for itself, or the persons identified below, that the Government's rights to use, release, or disclose the following technical data or computer software should be restricted:

Technical Data or Computer Software to be Furnished With Restrictions *	Basis for Assertion **	Asserted Rights Category ***	Name of Person Asserting Restrictions ****
<hr/>	<hr/>	<hr/>	<hr/>
(LIST)*****	(LIST)	(LIST)	(LIST)
<hr/>	<hr/>	<hr/>	<hr/>

* For technical data (other than computer software documentation) pertaining to items, components, or processes developed at private expense, identify both the deliverable technical data and each such items, component, or process. For computer software or computer software documentation identify the software or documentation.

** Generally, development at private expense, either exclusively or partially, is the only basis for asserting restrictions. For technical data, other than computer software documentation, development

refers to development of the item, component, or process to which the data pertain. The Government's rights in computer software documentation generally may not be restricted. For computer software, development refers to the software. Indicate whether development was accomplished exclusively or partially at private expense. If development was not accomplished at private expense, or for computer software documentation, enter the specific basis for asserting restrictions.

*** Enter asserted rights category (e.g., government purpose license rights from a prior contract, rights in SBIR data generated under another contract, limited, restricted, or government purpose rights under this or a prior contract, or specially negotiated licenses).

**** Corporation, individual, or other person, as appropriate.

***** Enter "none" when all data or software will be submitted without restrictions.

Date _____

Printed Name and Title _____

Signature _____

(End of identification and assertion)

(e) An offeror's failure to submit, complete, or sign the notification and identification required by paragraph (d) of this provision with its offer may render the offer ineligible for award.

(f) If the Offeror is awarded a contract, the assertions identified in paragraph (d) of this provision shall be listed in an attachment to that contract. Upon request by the Contracting Officer, the Offeror shall provide sufficient information to enable the Contracting Officer to evaluate any listed assertion.

**K30-1 COST ACCOUNTING STANDARDS NOTICES AND CERTIFICATION (FAR 52.230-1)
(JUN 2000)**

Note: This notice does not apply to small businesses or foreign governments. This notice is in three parts, identified by Roman numerals I through III.

Offerors shall examine each part and provide the requested information in order to determine Cost Accounting Standards (CAS) requirements applicable to any resultant contract.

If the offeror is an educational institution, Part II does not apply unless the contemplated contract will be subject to full or modified CAS coverage pursuant to 48 CFR 9903.201-2(c)(5) or 9903.201-2(c)(6), respectively.

I. DISCLOSURE STATEMENT - COST ACCOUNTING PRACTICES AND CERTIFICATION

(a) Any contract in excess of \$500,000 resulting from this solicitation will be subject to the requirements of the Cost Accounting Standards Board (48 CFR Chapter 99), except for those contracts which are exempt as specified in 48 CFR 9903.201-1.

(b) Any offeror submitting a proposal which, if accepted, will result in a contract subject to the requirements of 48 CFR Chapter 99 must, as a condition of contracting, submit a Disclosure Statement as required by 48 CFR 9903.202. When required, the Disclosure Statement must be submitted as a part of the offeror's proposal under this solicitation unless the offeror has already submitted a Disclosure Statement disclosing the practices used in connection with the pricing of this proposal. If an applicable Disclosure Statement has already been submitted, the offeror may satisfy the requirement for submission by providing the information requested in paragraph (c) Part I of this provision.

CAUTION: In the absence of specific regulations or agreement, a practice disclosed in a Disclosure Statement shall not, by virtue of such disclosure, be deemed to be a proper, approved, or agreed-to practice for pricing proposals or accumulating and reporting contract performance cost data.

(c) Check the appropriate box below:

☐ (1) Certificate of Concurrent Submission of Disclosure Statement.

The offeror hereby certifies that, as a part of the offer, copies of the Disclosure Statement have been submitted as follows:

- (i) original and one copy to the cognizant Administrative Contracting Officer (ACO) or cognizant Federal agency official authorized to act in that capacity (Federal official), as applicable, and
- (ii) one copy to the cognizant Federal auditor.

(Disclosure must be on Form Number CASB-DS-1 or CASB DS-2, as applicable. Forms may be obtained from the cognizant ACO or Federal official and/or from the loose-leaf version of the Federal Acquisition Regulation.)

Date of Disclosure Statement: _____

Name and Address of Cognizant ACO or Federal Official where filed: _____

The offeror further certifies that the practices used in estimating costs in pricing this proposal are consistent with the cost accounting practices disclosed in the Disclosure Statement.

☐ (2) Certificate of Previously Submitted Disclosure Statement.

The offeror hereby certifies that the required Disclosure Statement was filed as follows:

Date of Disclosure Statement: _____

Name and Address of Cognizant ACO or Federal Official where filed: _____

The offeror further certifies that the practices used in estimating costs in pricing this proposal are consistent with the cost accounting practices disclosed in the applicable disclosure statement.

☐ (3) Certificate of Monetary Exemption.

The offeror hereby certifies that the offeror, together with all divisions, subsidiaries, and affiliates under common control, did not receive net awards of negotiated prime contracts and subcontracts subject to CAS totaling \$50 million or more in the cost accounting period immediately preceding the period in which this proposal was submitted. The offeror further certifies that if such status changes before an award resulting from this proposal, the offeror will advise the Contracting Officer immediately.

☐ (4) Certificate of Interim Exemption.

The offeror hereby certifies that (i) the offeror first exceeded the monetary exemption for disclosure, as defined in (3) of this subsection, in the cost accounting period immediately preceding the period in which this offer was submitted and (ii) in accordance with 48 CFR 9903.202-1, the offeror is not yet required to submit a Disclosure Statement. The offeror further certifies that if an award resulting from this proposal has not been made within 90 days after the end of that period, the offeror will immediately submit a revised certificate to the Contracting Officer, in the form specified under subparagraphs (c)(1) or (c)(2) of Part I of this provision, as appropriate, to verify submission of a completed Disclosure Statement.

CAUTION: Offerors currently required to disclose because they were awarded a CAS-covered prime contract or subcontract of \$50 million or more in the current cost accounting period may not claim this exemption (4). Further, the exemption applies only in connection with proposals submitted before expiration of the 90-day period following the cost accounting period in which the monetary exemption was exceeded.

II. COST ACCOUNTING STANDARDS-ELIGIBILITY FOR MODIFIED CONTRACT COVERAGE

If the offeror is eligible to use the modified provisions of 48 CFR 9903.201-2(b) and elects to do so, the offeror shall indicate by checking the box below. Checking the box below shall mean that the resultant contract is subject to the Disclosure and Consistency of Cost Accounting Practices clause in lieu of the Cost Accounting Standards clause.

☐ The offeror hereby claims an exemption from the Cost Accounting Standards clause under the provisions of 48 CFR 9903.201-2(b) and certifies that the offeror is eligible for use of the Disclosure and Consistency of Cost Accounting Practices clause because during the cost accounting period immediately preceding the period in which this proposal was submitted, the offeror received less than \$50 million in awards of CAS-covered prime contracts and subcontracts.

CAUTION: An offeror may not claim the above eligibility for modified contract coverage if this proposal is expected to result in the award of a CAS-covered contract of \$50 million or more or if, during its current cost accounting period, the offeror has been awarded a single CAS-covered prime contract or subcontract of \$50 million or more.

III. ADDITIONAL COST ACCOUNTING STANDARDS APPLICABLE TO EXISTING CONTRACTS

The offeror shall indicate below whether award of the contemplated contract would, in accordance with subparagraph (a)(3) of the Cost Accounting Standards clause, require a change in established cost accounting practices affecting existing contracts and subcontracts.

☐ YES

☐ NO

SECTION L INSTRUCTIONS, CONDITIONS, AND NOTICES TO OFFERORS OR QUOTERS

The following solicitation provisions are hereby incorporated by reference:

<u>Number</u>	<u>Title</u>	<u>Date</u>
52.204-6	DATA UNIVERSAL NUMBERING SYSTEM (DUNS) NUMBER	(OCT 2003)
252.204-7001	COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE REPORTING	(AUG 1999)
52.211-14	NOTICE OF PRIORITY RATING FOR NATIONAL DEFENSE USE check one: _____ DX or <u>X</u> DO rated order	(SEP 1990)
52.214-35	SUBMISSION OF OFFERS IN U. S. CURRENCY	(APR 1991)
52.215-16	FACILITIES CAPITAL COST OF MONEY	(JUN 2003)
52.222-24	PREAWARD ON-SITE EQUAL OPPORTUNITY COMPLIANCE EVALUATION	(FEB 1999)
252.227-7028	TECHNICAL DATA OR COMPUTER SOFTWARE PREVIOUSLY DELIVERED TO THE GOVERNMENT	(JUN 1995)
52.232-13	NOTICE OF PROGRESS PAYMENTS	(APR 1984)

L2 OTHER INSTRUCTIONS TO OFFERORS (NOV 1999)

(a) It is the offeror's responsibility to ensure delivery of the proposal to the Bid Depository by the time and date specified on the solicitation form. FAR Provision 52.215-1 provides regulatory guidance concerning the timeliness of bids or proposals. Offerors should read this provision before determining which method of transmittal is appropriate.

(b) Clearly indicate the solicitation number and the closing time and date on the outside of the package containing the offer.

(c) Offerors are cautioned that certain prior approval procedures (e.g., visitor's pass, badging, etc.) must be followed to gain access to the Naval Station Newport. These procedures may cause time delays and are considered part of the responsibility of the offeror.

L4 FACSIMILE PROPOSALS AND BIDS NOT AUTHORIZED

Facsimile proposals (bids) are not authorized for this acquisition. "Facsimile proposal (bid)," as used in this solicitation, means a proposal (bid), modification of a proposal (bid), or withdrawal of a proposal (bid) that is transmitted to and received by the Government via electronic equipment that communicates and reproduces both printed and handwritten material.

L5 REQUIREMENTS FOR OFFEROR COMPLETION (APR 2002)

Certain sections of this solicitation require the offeror to provide information. The list that follows indicates the clauses, provisions and attachments that require offeror completion and that may be included in this solicitation. Offerors should review the solicitation carefully and insert relevant data wherever required.

Section A - Forms. SF1447 (Solicitation/Contract). Blocks 11, 13, 15, 21, 22, 27 and the back of the form.

Section B - Supplies/Services and Prices. Clauses B10 through B20

Section F - Deliveries or Performance. Clauses F10 through F17, F40, F11-8, F11-9, F47-33, and F47-60

Section G - Contract Administration Data. Clauses G12, G14, G15, and G42

Section H - Special Contract Requirements. Clause H51

Section I - Contract Clauses. Clauses I08-000, I09-1, I16-2, I16-3, I16-001, I22-48, I23-3, I23-9A, and I23-001

Section K - Representations, Certifications, and Other Statements of Offeror.

All required certifications and representations

Section L - Instructions, Conditions, and Notices to Offerors. Clauses L10, L43, and L14-21A

Section M - Evaluation Factors for Award. Clauses M20, M21, M47-51, M47-51A, M47-51B, and M47-51C

Section J - Attachments. Numbers 2, 8, 10, and 12

L7 NOTICE TO SUBMIT A SUBCONTRACTING PLAN FOR SMALL BUSINESS AND SMALL DISADVANTAGED BUSINESS CONCERNS

- (a) The contractor shall, in accordance with the provisions of FAR 52.219-9, submit a subcontracting plan for small business and small disadvantaged business concerns to the PCO with an informational copy provided to the ACO.
- (b) For offers pursuant to a solicitation, the subcontracting plan shall be submitted as part of the Cost Proposal.
- (c) For Letter contracts, the subcontracting plan shall be submitted by the date on which the contractor submits a priced proposal for definitization.

L9 AVAILABILITY OF REQUIRED FORMS AND PUBLICATIONS

- (a) Offerors will need a variety of required Government forms and publications in submitting offers and performing the contract. These are available as specified below; payment may be necessary.

- (1) Forms listed in FAR Section 53 (Standard Forms and Optional Forms) are available per FAR 53.107(b) from the Superintendent of Documents, GPO, Washington, DC 20402. This is the best source of all Federal, non-DoD publications and documents.
- (2) Forms listed in DFARS Section 53 (DD Forms) are available from the same activity as specifications (See Section L, FAR 52.211-2). This is the best source of DoD publications and documents.
- (3) Forms may also be available through the offeror's cognizant Administrative Contracting Officer.
- (4) In addition to Government sources, items may be available from public libraries and commercial sources.

- (b) All NUWC Division, Newport specific forms are attached; see Section J.

L10 REQUEST FOR PROGRESS PAYMENTS

Bidder/Offerors shall indicate their need for Progress Payments by checking the block below:

☐ It is requested that any contract resulting from this solicitation contain provision for progress payments.

L12 DRAWINGS AND SPECIFICATIONS MAY BE RETAINED

The drawing(s) and/or specifications listed in Section J and accompanying this bid or proposal may be retained by the bidder or offeror for future reference.

L30 PROPOSAL SUBMISSION - GENERAL REQUIREMENTS (APR 2003)

- (a) Offerors must respond to all requirements of the solicitation document. Submit proposals to the address indicated in block 7 of the SF1447.

(b) Proposal Format. This section specifies the format that offerors shall use in submitting proposals in response to this solicitation. The intent is to provide a certain degree of uniformity in the format of the proposals to ensure a complete, fair and efficient evaluation.

(1) Partition. Offerors are required to submit their proposals in separate parts as follows:

- (i) Letter of Transmittal, if any
- (ii) Original plus 2 copies of the signed solicitation document with all the required fill-ins completed. Staple this document together for submittal. ***Do not alter or punch holes in the solicitation document.***
- (iii) Volume I - Technical Proposal - Include all data and information required for evaluation as set forth in the provision entitled, "Technical Proposal". Exclude any reference to the pricing aspects of the offer. (Any classified content must be transmitted per DSS procedures and received by the same time as the other parts of the proposal.)
- (iv) Volume II - Cost/Price Proposal - Include all data and information required for evaluation as set forth in the provision entitled, "Cost Proposal".
- (v) Page Limits and Copies.

<u>Volume</u>	<u>Maximum Number of Pages</u>	<u>Copies Required</u>
Volume I - Technical	<u>25</u> (Not including P Past Performance Data, if any.)	Original plus 2 copies
Volume II - Cost	<i>No Limit</i>	Original plus 1 copy

Important Note: Offerors shall not include CLASSIFIED material in the volumes.

(2) General Format and Markings.

- (i) The text of the proposal shall be printed single sided on 8 1/2 by 11 inch paper. Pages shall be consecutively numbered. Type size shall be 10 point "Times" font or equivalent, uncompressed and unreduced. Text shall be single-spaced with margins of at least one inch on all sides. Foldout pages up to 11 x 17 inches may be used for diagrams, charts or graphic material with type size(s) left to the discretion of the offeror.
- (ii) Provide a Table of Contents in sufficient detail so that the important proposal elements can be easily located. The use of tabs and dividers is encouraged. The proposal Title Page will include all information required in (iii) below plus identification of copies bearing original authorizing signatures.
- (iii) The Cost and Technical volumes shall be in standard three-ring loose-leaf binders that can be easily opened and closed. Binders shall be marked as follows:
 - Proposal Title
 - Proposal Category (Technical or Cost)
 - Volume number
 - Security classification
 - RFP number
 - Name and address of the offeror
 - Serial number/copy number
- (iv) Subcontractor data submitted directly to the Government in support of the prime offeror's cost proposal shall follow the format described above. Subcontractor submittals shall prominently identify the prime offeror.

(c) Style.

- (1) Submit a proposal that clearly and concisely describes and defines the contractor's response to the requirements contained in the solicitation. General or vague statements such as "standard procedures will be used" or "good engineering practices" will not satisfy this requirement.

- (2) Do not elaborate unnecessarily or provide other presentations beyond that sufficient to present a complete and effective proposal. Elaborate artwork, expensive paper or bindings, and expensive visual or other presentation aids are neither necessary nor desired. Either of these may be construed as an indication of a lack of understanding or cost consciousness.
- (3) Do not repeat information required in the responses in two or more proposal data requirements. Include detailed information in the area of the proposal where it contributes most critically. In other areas where a repeat discussion is necessary, provide a reference to the detailed discussion location.
- (4) Provide all pertinent information in sufficient detail to permit evaluation of the proposal. Provide cross-references so that the Government can trace the various related discussions.

L34 TECHNICAL PROPOSAL - COMPLEX ITEM (MAY 2005)

Fundamental Proposal Requirement:

The proposal must present the offeror's design, analysis of the design, analytical models and/or measured data, technical risk assessments, and other information **in sufficient detail to demonstrate that the design will achieve the performance requirements of the Critical Item Product Specification (CIPS) and Statement of Work (SOW) with low technical and schedule risk. Providing actual test data vice analytical data, wherever possible, will be considered a strength of the proposal.** "Discuss", "describe" or "address" means to demonstrate that the proposed technical solution is likely to meet the CIPS and SOW. Use of graphical data is encouraged where it can simplify or shorten the narrative.

Organization:

The Technical Proposal shall include information and documentation in sufficient detail to clearly identify the offeror's overall qualifications and shall be subdivided into the following sections, in the order listed (**the Technical Proposal shall follow the following outline exactly**):

1. Technical Confidence

- 1.1. Overview
- 1.2. Sensor Design / Configuration
 - 1.2.1 Sensor
 - 1.2.2 Materials
- 1.3. Acoustic Analysis of Proposed Design
 - 1.3.1. Predicted Performance
 - 1.3.2. Environmental Effects
- 1.4. Technical Risk Assessment
- 1.5. Schedule/Work Plans

2. Past Performance

- 2.1. General
- 2.2. Contracts
- 2.3. Subcontractors

1.1. Overview

The offeror shall present a comprehensive overview of the CAVES Sensor design. Discuss choice of materials. Provide a drawing of the sensor, including external dimensions and internal components. As part of the overview, provide a specification compliance matrix comparing CAVES Sensor Critical Item Product Specification (CIPS) requirements to proposed performance.

Note: Offerors must identify aspects of their design which do not conform to the requirements of the CIPS – and request an amendment to the solicitation **before** the solicitation closes.

1.2. Sensor Design/Configuration

1.2.1. Sensor

- i. Identify and define clearly the major components of the CAVES sensor.
- ii. Discuss performance stability with respect to temperature and hydrostatic pressure.
- iii. Provide a detailed illustration of the design.
- iv. If an existing design is being offered, identify it clearly and disclose any required modifications.

1.2.2. Materials

- i. Identify critical materials and justify their use.
- ii. Discuss coating material selection relative to insulation resistance failure, and water permeation.

1.3. Electroacoustic Analysis of Proposed Design

The offeror shall predict the anticipated acoustic performance of the CAVES sensor with analytical results and/or measured data to support the claims for predicted performance.

1.3.1. Predicted Performance

- i. Describe the predicted acoustic performance of the CAVES sensor including variations of these with temperature and/or pressure.
- ii. Clearly identify which performance predictions are based upon data, analysis or a combination thereof.

1.3.2. Environmental Effects

- i. Discuss watertight integrity of the design.
- ii. Discuss the effects of the following non-operating environmental extremes on variation of performance:
 - Storage temperature and pressure
 - Survival pressure
 - Explosive shock
 - Thermal Shock
 - Vibration

1.4. Technical Risk Assessment

Describe the overall risks and significant risk issues involved in the design, fabrication and testing of the CAVES sensor. Discuss backup approaches for high-risk areas.

1.5. Schedule/Work Plans

Present a detailed work plan, including a work breakdown structure (WBS), identifying the specific tasks (events) required to design, fabricate, and test the CAVES sensor production units described in the SOW.

2. Past Performance

2.1. General

In a separate attachment, the offeror shall present the company background, experience, and past performance that is directly related to the design, development and production of acoustic sensors sonar applications, recent R&D efforts, and ISO 9001 Quality Assurance Standards.

The offeror shall describe recent, successful contracting efforts and other corporate experience that demonstrates knowledge and capability to perform the tasks in the SOW. This discussion shall include information about meeting time schedules, cost targets, and specification requirements.

2.2. Contracts

Provide a list of all (maximum of 10) contracts and subcontracts with a value exceeding \$100,000 that are currently in process or have been completed during the past two years. If the maximum is exceeded, list the 20 most current actions. Contracts listed shall include those entered into with Federal, state or local government as well as commercial customers. Offerors that are newly formed entities without prior contracts should list contracts and subcontracts as required above. Include the following information for each contract and subcontract:

- Name of contracting activity or commercial firm
- Contract number
- Contract type
- Total contract value
- Brief narrative (less than 10 lines) describing involvement in the effort, complexity, objectives achieved, and types of personnel who performed under the contract. List ships or military systems involved, if any. List major subcontractors.
- Procuring Contracting Officer and telephone number
- Program manager or COR and telephone or non-government official with similar duties or rank. Ensure telephone numbers are current.

2.3. Subcontractors

Provide similar past performance data for major subcontractors (those performing more than 25% of the effort).

L43 PRICING INFORMATION

(a) Under requirements of the Federal Acquisition Regulation (FAR), the Contracting Officer is responsible for determining reasonableness of pricing. To assist in determining whether the prices quoted in your offer under subject solicitation are "fair and reasonable", your cooperation is requested in submitting the following information:

- (1) A copy of the current catalog or established price list for the articles covered by the offer, or information where the established price may be found.
- (2) A statement that such catalog or established price list:
 - (i) Is regularly maintained,
 - (ii) Is published or otherwise available for inspection by customers.
 - (iii) States the prices at which sales are currently made to a number of buyers.
- (3) A statement that such articles are commercial items sold in substantial quantities to the general public, at the prices listed in the above-mentioned catalog or established price list.
- (4) A statement that the prices quoted herein including consideration of any discount or rebate arrangements, do not exceed prices charged the offeror's most favored customer for like items in similar quantities under comparable conditions.
- (5) The following pricing information on the three (or more) most recent sales of, or quotations for, any of the articles being procured hereunder or articles similar thereto. Where the pricing information furnished is on unsimilar articles, the offeror shall advise that the articles are not identical to the articles required hereunder and shall briefly indicate the differences in such articles. Pricing information furnished should be as current as possible, and, to the extent possible, should be on quantities similar to the quantities required hereunder.

Date of Sale	Qty. or Quotation Unit Price	Customer Contract No.	Customer

(6) Information on whether the proposed prices are, or can be, tied-in with production prices under prime contracts or subcontracts by furnishing the dates for previous and anticipated production lot releases and numbers in the spaces provided below:

Contract No.	Production Lot No.	Date Released	Date of Anticipated Release	Customer

(7) A listing of any other Government or commercial solicitation or recent contract, not already set forth above, for any of the articles being procured hereunder.

(b) If cost or pricing data are required under this contract, the submission of the pricing information sought under this clause in no way affects or diminishes the offeror's independent duty to submit accurate, complete, and current cost or pricing data.

(c) Offerors unable to furnish catalog or establish price list and the above data are requested to furnish the following information with their offers:

		<u>Unit Cost</u>
(1)	Purchased Parts	_____
(2)	Raw Material	_____
(3)	Labor: _____ hours, \$ _____ per hour	_____
(4)	Manufacturing Overhead: _____ %	_____
	<u>Component Elements</u>	

(5)	Other Costs (Packing, transportation, etc.)	_____
(6)	G&A Expense: _____ %	_____
	<u>Component Elements</u>	

(7)	Profit: _____ %	_____
(8)	Price as offered herein	_____

(d) Data may be inserted in this provision if practicable, or provided elsewhere in the proposal.

(e) If your offer is for more than \$550,000, provide a signed Certificate of Current Cost or Pricing Data. See FAR 15.406-2.

L11-2 AVAILABILITY OF SPECIFICATIONS LISTED IN THE DOD INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) AND DESCRIPTIONS LISTED IN THE ACQUISITION MANAGEMENT SYSTEMS AND DATA REQUIREMENTS CONTROL LIST, DOD 5010.12-L (FAR 52.211-2) (DEC 2003)

Copies of specifications, standards, and data item descriptions cited in this solicitation may be obtained--

(a) From the ASSIST database via the Internet at <http://assist.daps.dla.mil/>; or

(b) By submitting a request to the--

Department of Defense Single Stock Point (DoDSSP)
Building 4, Section D
700 Robbins Avenue
Philadelphia, PA 19111-5094

Telephone (215) 697-2667/2179
Facsimile (215) 697-1462

**L15-1 INSTRUCTIONS TO OFFERORS--COMPETITIVE ACQUISITION (FAR 52.215-1)
(JAN 2004)**

(a) *Definitions.* As used in this provision--

“Discussions” are negotiations that occur after establishment of the competitive range that may, at the Contracting Officer's discretion, result in the offeror being allowed to revise its proposal.

“In writing”, “writing” or “written” means any worded or numbered expression which can be read, reproduced, and later communicated, and includes electronically transmitted and stored information.

“Proposal modification” is a change made to a proposal before the solicitation's closing date and time, or made in response to an amendment, or made to correct a mistake at any time before award.

“Proposal revision” is a change to a proposal made after the solicitation closing date, at the request of or as allowed by a Contracting Officer as the result of negotiations.

“Time,” if stated as a number of days, is calculated using calendar days, unless otherwise specified, and will include Saturdays, Sundays, and legal holidays. However, if the last day falls on a Saturday, Sunday, or legal holiday, then the period shall include the next working day.

(b) *Amendments to solicitations.* If this solicitation is amended, all terms and conditions that are not amended remain unchanged. Offerors shall acknowledge receipt of any amendment to this solicitation by the date and time specified in the amendment(s).

(c) *Submission, modification, revision, and withdrawal of proposals.*

(1) Unless other methods (e.g., electronic commerce or facsimile) are permitted in the solicitation, proposals and modifications to proposals shall be submitted in paper media in sealed envelopes or packages

(i) addressed to the office specified in the solicitation, and

(ii) showing the time and date specified for receipt, the solicitation number, and the name and address of the offeror. Offerors using commercial carriers should ensure that the proposal is marked on the outermost wrapper with the information in paragraphs (c)(1)(i) and (c)(1)(ii) of this provision.

(2) The first page of the proposal must show--

(i) The solicitation number;

(ii) The name, address, and telephone and facsimile numbers of the offeror (and electronic address if available);

(iii) A statement specifying the extent of agreement with all terms, conditions, and provisions included in the solicitation and agreement to furnish any or all items upon which prices are offered at the price set opposite each item;

(iv) Names, titles, and telephone and facsimile numbers (and electronic addresses if available) of persons authorized to negotiate on the offeror's behalf with the Government in connection with this solicitation; and

(v) Name, title, and signature of person authorized to sign the proposal. Proposals signed by an agent shall be accompanied by evidence of that agent's authority, unless that evidence has been previously furnished to the issuing office.

(3) *Submission, modification, revision, and withdrawal of proposals.*

(i) Offerors are responsible for submitting proposals, and any modifications or revisions, so as to reach the Government office designated in the solicitation by the time specified in the solicitation. If no time is specified in the solicitation, the time for receipt is 4:30 p.m., local time, for the designated Government office on the date that proposal or revision is due.

(ii)(A) Any proposal, modification, or revision received at the Government office designated in the solicitation after the exact time specified for receipt of offers is “late” and will not be considered unless it is received before award is made, the Contracting Officer determines that accepting the late offer would not unduly delay the acquisition; and –

(1) If it was transmitted through an electronic commerce method authorized by the solicitation, it was received at the initial point of entry to the Government infrastructure not later than 5:00 p.m. one working day prior to the date specified for receipt of proposals; or

(2) There is acceptable evidence to establish that it was received at the Government installation designated for receipt of offers and was under the Government's control prior to the time set for receipt of offers; or

(3) It is the only proposal received.

(B) However, a late modification of an otherwise successful proposal that makes its terms more favorable to the Government, will be considered at any time it is received and may be accepted.

(iii) Acceptable evidence to establish the time of receipt at the Government installation includes the time/date stamp of that installation on the proposal wrapper, other documentary evidence of receipt maintained by the installation, or oral testimony or statements of Government personnel.

(iv) If an emergency or unanticipated event interrupts normal Government processes so that proposals cannot be received at the office designated for receipt of proposals by the exact time specified in the solicitation, and urgent Government requirements preclude amendment of the solicitation, the time specified for receipt of proposals will be deemed to be extended to the same time of day specified in the solicitation on the first work day on which normal Government processes resume.

(v) Proposals may be withdrawn by written notice received at any time before award. Oral proposals in response to oral solicitations may be withdrawn orally. If the solicitation authorizes facsimile proposals, proposals may be withdrawn via facsimile received at any time before award, subject to the conditions specified in the provision at 52.215-5, Facsimile Proposals. Proposals may be withdrawn in person by an offeror or an authorized representative, if the identity of the person requesting withdrawal is established and the person signs a receipt for the proposal before award.

(4) Unless otherwise specified in the solicitation, the offeror may propose to provide any item or combination of items.

(5) Offerors shall submit proposals in response to this solicitation in English, unless otherwise permitted by the solicitation, and in U.S. dollars, unless the provision at FAR 52.225-17, Evaluation of Foreign Currency Offers, is included in the solicitation.

(6) Offerors may submit modifications to their proposals at any time before the solicitation closing date and time, and may submit modifications in response to an amendment, or to correct a mistake at any time before award.

(7) Offerors may submit revised proposals only if requested or allowed by the Contracting Officer.

(8) Proposals may be withdrawn at any time before award. Withdrawals are effective upon receipt of notice by the Contracting Officer.

(d) *Offer expiration date.* Proposals in response to this solicitation will be valid for the number of days specified on the solicitation cover sheet (unless a different period is proposed by the offeror).

(e) *Restriction on disclosure and use of data.* Offerors that include in their proposals data that they do not want disclosed to the public for any purpose, or used by the Government except for evaluation purposes, shall--

(1) Mark the title page with the following legend:

This proposal includes data that shall not be disclosed outside the Government and shall not be duplicated, used, or disclosed--in whole or in part-- for any purpose other than to evaluate this proposal. If, however, a contract is awarded to this offeror as a result of--or in connection with-- the submission of this data, the Government shall have the right to duplicate, use, or disclose the data to the extent provided in the resulting contract. This restriction does not limit the Government's right to use information contained in this data if it is obtained from another source without restriction. The data subject to this restriction are contained in sheets [insert numbers or other identification of sheets]; and

(2) Mark each sheet of data it wishes to restrict with the following legend:

Use or disclosure of data contained on this sheet is subject to the restriction on the title page of this proposal.

(f) *Contract award.*

(1) The Government intends to award a contract or contracts resulting from this solicitation to the responsible offeror(s) whose proposal(s) represents the best value after evaluation in accordance with the factors and subfactors in the solicitation.

(2) The Government may reject any or all proposals if such action is in the Government's interest.

(3) The Government may waive informalities and minor irregularities in proposals received.

(4) The Government intends to evaluate proposals and award a contract without discussions with offerors (except clarifications as described in FAR 15.306(a)). Therefore, the offeror's initial proposal should contain the offeror's best terms from a cost or price and technical standpoint. The Government reserves the right to conduct discussions if the Contracting Officer later determines them to be necessary. If the Contracting Officer

determines that the number of proposals that would otherwise be in the competitive range exceeds the number at which an efficient competition can be conducted, the Contracting Officer may limit the number of proposals in the competitive range to the greatest number that will permit an efficient competition among the most highly rated proposals.

(5) The Government reserves the right to make an award on any item for a quantity less than the quantity offered, at the unit cost or prices offered, unless the offeror specifies otherwise in the proposal.

(6) The Government reserves the right to make multiple awards if, after considering the additional administrative costs, it is in the Government's best interest to do so.

(7) Exchanges with offerors after receipt of a proposal do not constitute a rejection or counteroffer by the Government.

(8) The Government may determine that a proposal is unacceptable if the prices proposed are materially unbalanced between line items or subline items. Unbalanced pricing exists when, despite an acceptable total evaluated price, the price of one or more contract line items is significantly overstated or understated as indicated by the application of cost or price analysis techniques. A proposal may be rejected if the Contracting Officer determines that the lack of balance poses an unacceptable risk to the Government.

(9) If a cost realism analysis is performed, cost realism may be considered by the source selection authority in evaluating performance or schedule risk.

(10) A written award or acceptance of proposal mailed or otherwise furnished to the successful offeror within the time specified in the proposal shall result in a binding contract without further action by either party.

(11) If a post-award debriefing is given to requesting offerors, the Government shall disclose the following information, if applicable:

(i) The agency's evaluation of the significant weak or deficient factors in the debriefed offeror's offer.

(ii) The overall evaluated cost or price and technical rating of the successful and the debriefed offeror and past performance information on the debriefed offeror.

(iii) The overall ranking of all offerors, when any ranking was developed by the agency during source selection.

(iv) A summary of the rationale for award.

(v) For acquisitions of commercial items, the make and model of the item to be delivered by the successful offeror.

(vi) Reasonable responses to relevant questions posed by the debriefed offeror as to whether source-selection procedures set forth in the solicitation, applicable regulations, and other applicable authorities were followed by the agency.

L16-1 TYPE OF CONTRACT (FAR 52.216-1) (APR 1984)

The Government contemplates award of a firm fixed price IDIQ contract resulting from this solicitation.

L33-2 SERVICE OF PROTEST (FAR 52.233-2) (AUG 1996)

(a) Protests, as defined in section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the General Accounting Office (GAO), shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgment of receipt from the issuing office indicated in Block 7 of the SF 1447.

(b) The copy of any protest shall be received in the office designated above within one day of filing a protest with the GAO.

L52-1 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE (FAR 52.252-1) (FEB 1998)

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this/these address(es): <http://www.arnet.gov/far/>

SECTION M EVALUATION FACTORS FOR AWARD

M10 SINGLE AWARD

Due to the interrelationship of supplies and/or services to be provided hereunder, the Government intends to make a single award. The Government reserves the right to make a single award to the offeror whose offer is considered to be in the best interest of the Government, price and other factors considered.

M32 EVALUATION FOR AWARD – BEST VALUE

Award will be made to that responsible offeror whose proposal, conforming to the solicitation, is determined to offer the Best Value to the Government. Offers will be evaluated on each of the areas identified in provision L34. The two evaluation factors listed below, **Technical Aspects** and **Total Evaluated Price**, are in descending order of importance.

I TECHNICAL ASPECTS

Subfactors:

- a) Technical Confidence (risk reduction)
- b) Past Performance

NOTE: The Technical Aspects subfactors above are essentially equal.

Past performance will be evaluated as an indicator of the offeror's expected future performance. The Contracting Officer will consider all available information concerning the offeror's past performance whether contained in the proposal or not. This may include information furnished by points of contact not named in the proposal or information from other sources such as commercial rating services. Offerors lacking relevant past performance history will be given a neutral rating.

II. TOTAL EVALUATED PRICE

Technical Capability is significantly more important than Price. Although the Price is the less important evaluation factor, it is still important and will be seriously considered. The degree of its importance will increase with the degree of equality of the proposals in relation to Technical Capability, or when it is so significantly high as to diminish the value of the technical superiority to the Government.

The evaluated contract price will be the sum of the products of the maximum order quantity for each CLIN and the respective proposed unit price for each CLIN, divided by the sum of the maximum order quantities to arrive at a weighted average unit cost. This amount is multiplied by the maximum contract quantity.

In evaluating offers, the Contracting Officer will also review the prices of the offeror's proposal to determine that they are fair and reasonable. See FAR 15.404.

CONTRACT DATA REQUIREMENTS LIST <i>(4 Data Items)</i>						Form Approved OMB No. 0704-0188	
The public reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, (0704-0188) 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law no. person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.							
A. CONTRACT LINE ITEM NO.		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER <input checked="" type="checkbox"/>			
D. SYSTEM/ITEM			E. CONTRACT/PR NO. N66604-5157-01G4		F. CONTRACTOR		
1. DATA ITEM NO. A001		2. TITLE OF DATA ITEM Status Report			3. SUBTITLE Monthly Status Report		
4. AUTHORITY (Date Acquisition Document No.) DI-MGMT-80368			5. CONTRACT REFERENCE SOW 4.2		6. REQUIRING OFFICE NUWC DIVNPT Code 1514		
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED D		10. FREQUENCY MTHLY		12. DATE OF FIRST SUBMISSION See Block 16	
8. APP CODE		11. AS OF DATE 0		13. DATE OF SUBSEQUENT SUBMISSION See Block 16		14. DISTRIBUTION	
16. REMARKS Block 12: First submission shall be 30 days after delivery order award. Block 13: Subsequent submission shall be every 30 days until completion of delivery order.						15. TOTAL →	
1. DATA ITEM NO. A002		2. TITLE OF DATA ITEM Work Schedule			3. SUBTITLE DELIVERY SCHEDULE		
4. AUTHORITY (Date Acquisition Document No.) DI-MISC-81382			5. CONTRACT REFERENCE SOW 4.2		6. REQUIRING OFFICE NUWC DIVNPT Code 1514		
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED D		10. FREQUENCY MTHLY		12. DATE OF FIRST SUBMISSION See Block 16	
8. APP CODE		11. AS OF DATE 0		13. DATE OF SUBSEQUENT SUBMISSION See Block 16		14. DISTRIBUTION	
16. REMARKS Block 12: First submission shall be 30 days after delivery order award. Block 13: Subsequent submission shall be every 30 days until completion of delivery order.						15. TOTAL →	
1. DATA ITEM NO. A003		2. TITLE OF DATA ITEM Production Status Report			3. SUBTITLE STATUS REPORT		
4. AUTHORITY (Date Acquisition Document No.) DI-MGMT-81255			5. CONTRACT REFERENCE SOW 4.2		6. REQUIRING OFFICE NUWC DIVNPT Code 1514		
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED D		10. FREQUENCY SEMIA		12. DATE OF FIRST SUBMISSION See Block 16	
8. APP CODE		11. AS OF DATE 0		13. DATE OF SUBSEQUENT SUBMISSION See Block 16		14. DISTRIBUTION	
16. REMARKS Block 12: First submission shall be 180 days after contract award. Block 13: Subsequent submission shall be every 180 days until completion of contract.						15. TOTAL →	
1. DATA ITEM NO. A004		2. TITLE OF DATA ITEM Reliability Test Reports			3. SUBTITLE RELIABILITY TEST REPORT		
4. AUTHORITY (Date Acquisition Document No.) DI-TMSS-81586			5. CONTRACT REFERENCE SOW 4.2		6. REQUIRING OFFICE NUWC DIVNPT Code 1514		
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED D		10. FREQUENCY OTIME		12. DATE OF FIRST SUBMISSION See Block 16	
8. APP CODE		11. AS OF DATE 0		13. DATE OF SUBSEQUENT SUBMISSION		14. DISTRIBUTION	
16. REMARKS Block 12: Submitted upon completion of delivery of items for each delivery order.						15. TOTAL →	
G. PREPARED BY: V. Evora			H. DATE		I. APPROVED BY Dept. Data Manager		J. DATE

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

DD FORM 1423
CONTRACT DATA REQUIREMENTS LIST

BLOCK 16 ADDENDUM

BLOCK 9: The following information is specifically included in amplification of the Block 9 Distribution Statement selected:

Distribution Statement paragraphs are in addition to CLASSIFICATION markings of the data.

CDRLs A001, A002, A003, A004

BLOCK 9:

Distribution Statement D: Distribution authorized to Dod and Dod Contractors only; Critical Technology; (date data generated). Other requests for this document shall be referred to NUWCDIVNPT Code 1514.

The following "EXPORT CONTROL WARNING NOTICE" must be used in conjunction with DISTRIBUTION STATEMENTS identified in all CDRL Items.

WARNING - This document contains technical data whose export is restricted by the Arms Export Control Act (Title 22, U.S.C. Sec. 2751 et seq.) or the Export Administration Act of 1979, as amended, Title 50, U.S.C., App. 2401 et seq. Violations of these export laws are subject to severe criminal penalties. Disseminate in accordance with provisions of Dod Directive 5230.25.

STATEMENT OF WORK

CAVES Motion Sensors

1.0 SCOPE

The purpose of this Statement of Work is to obtain CAVES accelerometers in support of the Naval Undersea Warfare Center Division Newport's Large Vertical Array (LVA) program. A CAVES accelerometer consists of sensing elements, substrate, a pressure tolerant housing, syntactic foam pressure tolerant enclosure, twisted shielded pair cable and connector.

2.0 APPLICABLE DOCUMENTS

2.1 Government Documents

Critical Item Performance Specification (CIPS) for CAVES Motion Sensors (Accelerometers)

2.2 Non-Government Documents

Moffett M., Trivett, D., Klippel, P., and Baird, P., "A Piezoelectric, Flexural-Disk, Neutrally Buoyant, Underwater Accelerometer," *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, Vol. 45, No. 5, pp. 1341-1346, 1998.

3.0 GOVERNMENT FURNISHED MATERIAL (GFM); to be furnished upon award – if specified in delivery order.

- Five (5) inch-long twisted shielded pair cable SB-44298 from South Bay Cable Corp. per sensor.
- One (1) connector plug MG-111-007-113-4500-Q08 from Airborn per sensor.

4.0 REQUIREMENTS

4.1 Tasks

Under this contact, the contractor shall build CAVES accelerometers in accordance with the attached performance specification.

4.2 Reports

With each delivery order, the contractor shall prepare and submit a Monthly Status Report to include technical accomplishments, actual and anticipated problems, and solutions thereto in accordance with CDRL Item A001. The contractor shall also submit a Delivery Schedule and Contract Status Report in accordance with CDRL Items A002 and A003, respectively. Upon completion of each delivery order, the contractor shall submit a Calibration Test Report in accordance with CDRL Item A004.

Critical Item Performance Specification

CAVES Motion Sensor

1.0 SCOPE

This specification establishes the performance, design, test, acceptance requirements for the CAVES motion sensor (accelerometer).

2.0 APPLICABLE DOCUMENTS

2.1 Reference Documents

2.1.1 Specifications

MIL-S-901	Shock Test, High Impact; Requirements for Shipboard Machinery, Equipment and Systems
MIL-STD-129	Marking for Shipment and Storage
MIL-STD-130	Identification Marking for Military Property
MIL-STD-810D, Method 503.2	Environmental Test Methods and Engineering Guidelines
MIL-STD-1367	Packaging Handling Storage and Transport
MIL STD-1376	Piezoelectric Ceramic Material and Guidelines for Measurement of Sonar Transducers

2.1.2 Standards

ISO 9000	International Standards for Quality Control
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2.1.3 Government Documents

N/A

2.1.4 Non Government Documents

Moffett, M., Trivett, D., Klippel, P., and Baird, P., "A Piezoelectric, Flexural-Disk, Neutrally Buoyant, Underwater Accelerometer," *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, Vol. 45, No. 5, pp. 1341-1346, 1998.

2.2 Other Documents

To preserve the body of this document in an unclassified form, classified values of operating frequencies and operating and maximum pressures is be provided as an addendum, and will be available to offerors having the required security clearance. Reference to those values in the text below is by symbol.

Critical Item Performance Specification

CAVES Motion Sensor

3.0 REQUIREMENTS

3.1 Item Definition

3.1.1 Physical Definition

The accelerometer assembly shall consist of sensing elements, substrate, a pressure tolerant housing, syntactic foam pressure tolerant enclosure, twisted shielded pair cable and connector. The assembly shall conform to the requirements specified in Figure 1.

3.1.2 Functional Definition

The accelerometer assembly shall provide analog electrical signals that are related to the motion of the sensor in the medium.

3.1.3 Ambient Temperature and Pressure

Ambient temperature and pressure is defined as $20 \pm 3^{\circ}\text{C}$ and 0 ± 5 psig. This range must be the same for all requirements referencing ambient temperature and pressure. If conditions require, other temperatures and pressures may be temporarily substituted for the defined range so long as a substantial correlation is demonstrated between the substituted temperatures and pressures and the defined range.

3.2 Functional Interface

3.2.1 Physical Interface

The accelerometer shall be designed to be physically interfaced to an inner de-coupler and the outboard electronics. The accelerometer assembly shall meet the mechanical requirement defined in Figure 1.

Critical Item Performance Specification CAVES Motion Sensor

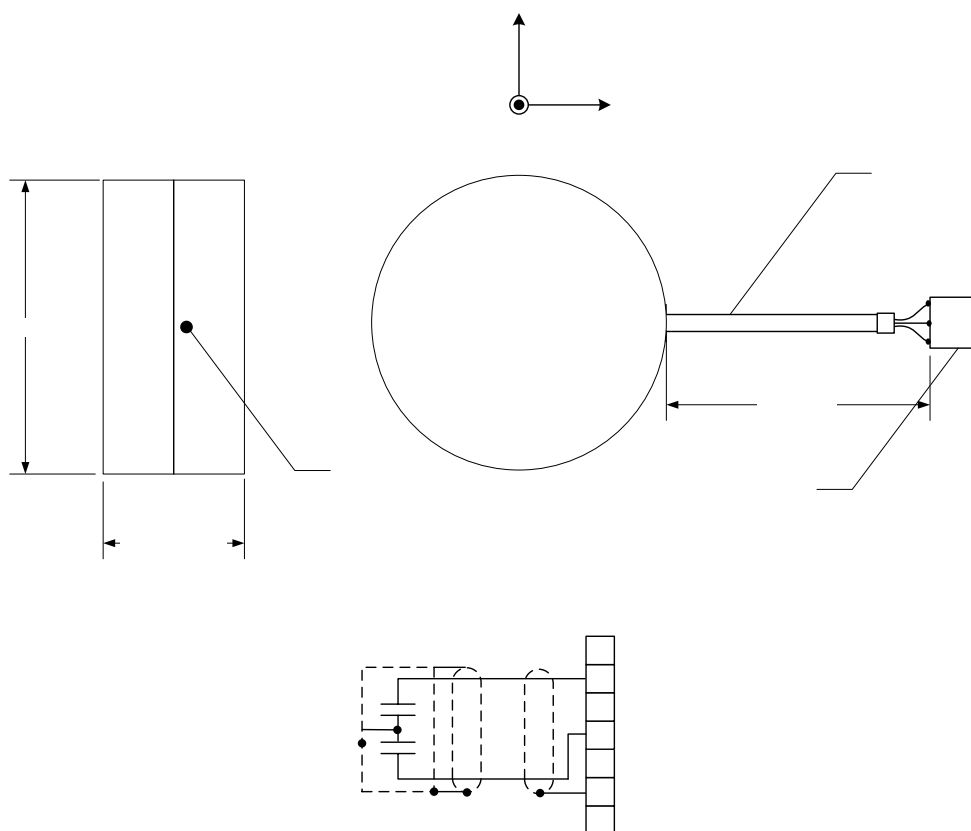


Figure 1

3.2.2 Functional Interface

The accelerometer shall provide an analog electrical signal to the outboard electronics.

3.3 Characteristics

3.3.1 Performance

Performance of the accelerometer shall be within the frequency band of operation from F_0 and $4.33F_0$.

3.3.1.1 Acoustic

3.3.1.1.1 Acceleration Sensitivity (AS) 2.080 +/- 0.010

The AS shall meet the requirements provided in Table 1 between F_0 and $4.33F_0$ on the +Z axis defined in Figure 1 in water. This requirement shall be met at end of the accelerometer cable at ambient water temperature and pressure when measured high (+) to low (-) and the shield is tied to a virtual ground.

**Critical Item Performance Specification
CAVES Motion Sensor**

Coded Frequency	AS Minimum (dB//V/uPa)	AS Maximum (dB//V/uPa)
1.000 Fo	-18.3	-16.3
1.333Fo	-17.1	-15.1
1.667 Fo	-17.9	-15.9
2.000 Fo	-17.5	-15.5
2.333 Fo	-17.6	-15.6
2.667 Fo	-16.6	-14.6
3.000 Fo	-16.7	-14.7
3.333 Fo	-16.6	-14.6
3.667 Fo	-15.8	-13.8
4.000 Fo	-15.5	-13.5
4.333 Fo	-14.7	-12.7

Table 1: Receive Voltage Sensitivity

3.3.1.1.1 Varying Temperature and Pressure

Variations in the acceleration sensitivity along the +Z axis shall be no greater than +/- **0.75 dB** from F_0 to $4.33 F_0$ at any in water temperature and pressure specified in Table II, relative to the FFVS at ambient temperature and pressure.

3.3.1.1.2 Acceleration Sensitivity

The acceleration sensitivity when measured at $0.667 F_0$ and 20 ± 3 degrees C shall equal -17.3 +/-1 dB

3.3.1.1.3 Directivity Pattern

The directivity pattern shall on the +Z axis conform with $20\text{Log}_{10}(\cos\theta) \pm 1$ dB from $\theta = \pm 60^\circ$ in the XZ and YZ planes over the frequency range from F_0 to $4.33 F_0$.

3.3.1.1.4 Relative Phase

The accelerometer to accelerometer relative phase, at the accelerometer cable output, measured on the +Z axis relative to an arbitrary standard shall vary no more than +/-3 degrees at F_0 and +/- 13 degrees at $4.33 F_0$ at any in water temperature or pressure specified in Table II.

Temperature	-3C to +32C in water
Hydrostatic Pressure	0 to P_0 psig

**Critical Item Performance Specification
CAVES Motion Sensor**

Table II: Operating Temperature and Pressure Conditions

3.3.1.2 Electrical

3.3.1.2.1 Capacitance

3.3.1.2.1.1 Ambient Temperature and Pressure

The capacitance when measured at ambient temperature and pressure shall be 3750+/-200 pF. The measurement shall be performed at the accelerometer connector output, high to low with no connection to the shield, at a frequency of 1 kHz and 1 V_{rms}.

3.3.1.2.1.1 Varying Temperature and Pressure.

No larger variation than +/- X% from the capacitance measured at ambient temperature and pressure at any in-water temperature or pressure specified in Table II.

3.3.1.2.2 Loss Tangent

The loss tangent when measured at ambient temperature and pressure shall be no greater than **0.018**. The measurement shall be performed at the accelerometer connector output, high to low with no connection to the shield, at a frequency of 1 kHz and 1 V_{rms}.

3.3.1.2.2.1 Varying Temperature and Pressure.

The loss tangent shall not exceed **0.022** at any in-water temperature or pressure specified in Table II.

3.3.1.2.3 DC Resistance

Greater than 500 Megohms at 100 VDC at accelerometer output, high to low, shield to high, shield to low, and shield to water, in water at ambient temperature and pressure.

3.3.1.2.4 Polarity

All assemblies shall have the same polarity. The polarity of each assembly shall be marked with a dot “•” on the external surface of the sensor as shown in Figure 1. The mark shall be placed on the side of the assembly that corresponds to the attachment of the white conductor to the ceramic.

3.3.1.2.5 Unbalanced Impedance

There shall be 5% or less variance in the unbalanced impedance magnitude over the frequency band of operation. The unbalanced magnitude shall be determined from the following formula (See Figure 2)

$$Z(\text{unbal}) = |(Z1-Z2)/(Z1+Z2)|$$

Where $Z1 = |Z|$ of any element with the high (+) tied to shield

$Z2 = |Z|$ of any element with the low (-) tied to shield

Critical Item Performance Specification CAVES Motion Sensor

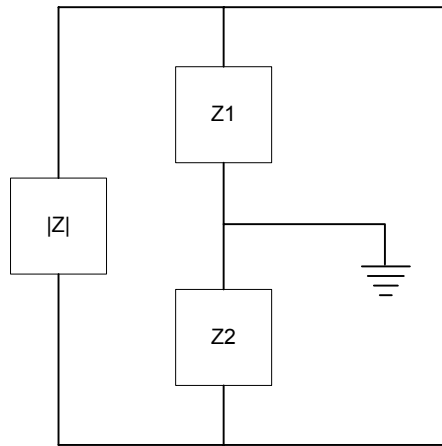


Figure 2

3.3.1.3 Piezoelectric Material

Piezoelectric materials shall conform to the requirements of DOD-STD 1376.

3.3.2 Physical Characteristics

3.3.2.1 Dimensional Limits

The accelerometer shall conform within the dimensions provided in Figure 1.

3.3.2.2 Specific Gravity Limits

The mean specific gravity, for a lot, shall be 1.086 \pm 5%. The accelerometer to accelerometer specific gravity shall vary no more than 2%.

3.3.3 Environmental Performance

3.3.3.1 Temperature

3.3.3.1.1 Operating Temperature

The accelerometer shall be designed for continuous reliable operation within the specified limits over an ambient water temperature range of -3°C to $+35^{\circ}\text{C}$.

3.3.3.1.2 Non Operating Temperature

The accelerometer shall not be damaged nor shall the operational performance per this specification be degraded when restored to the operational temperature range after exposure for up to 20 years in a non-operating ambient air temperature range of -30°C to $+60^{\circ}\text{C}$; and in a partial vacuum as low as 1.7 psia.

Critical Item Performance Specification CAVES Motion Sensor

3.3.3.1.3 Thermal Shock

3.3.3.1.3.1 Manufacturing Thermal Shock

The accelerometer shall be capable of performance per this specification after exposure to two cycles of the following temperature profile: (1) ramp linearly from 70 to 240°F over a period of 0.5 hours, (2) hold for two hours at 240°F, (3) ramp linearly from 240 to 70°F over a period of 4 hours.

3.3.3.1.3.2 Operating Thermal Shock

The accelerometer in situ (ie. in the array) shall be capable of performance per this specification after surviving the thermal shock of the following temperature cycles, with a transfer time between temperatures per MIL-STD810D, Method 503.2, (i.e. as rapidly as possible but no more than 5 minutes):

- a. Stabilize temperature of component in at -30°C and then submerge in water at +3°C until the temperature of the component is stabilized, and
- b. Stabilize temperature of component in at +60°C and then submerge in water at +15°C until the temperature of the component is stabilized.

3.3.3.2 Hydrostatic Pressure

The accelerometer shall operate and meet all of the performance requirements as specified herein at hydrostatic pressure P_0 . The accelerometer shall further be capable of withstanding repeated and prolonged subjection to pressures up to $X P_0$ and still meet the requirements specified herein when the hydrostatic pressure is reduced to max operating pressure P_0 or less. The following hydrostatic pressure cycling requirements will be used in conjunction with the above pressure requirements:

- a. 2000 cycles, 0 to P_0
- b. 5 cycles; 0 to X times P_0

3.3.3.3 Explosive Shock

N/A

3.3.3.4 Extraneous Self Noise

The accelerometer shall generate an acoustic or equivalent electrical transient at the output of the cable greater than **Quiet Arctic noise levels -10 dB** between F_0 and $4.33 F_0$ for the following conditions

- a. 2000 cycles from 0 to P_0 psig
- b. 5 cycles from 0 to $X P_0$ psig

3.3.3.5 Transportability

The accelerometer, when prepared for transportation by, truck, rail, or air shall withstand and be protected against damage from the environmental conditions discussed in this section.

Critical Item Performance Specification CAVES Motion Sensor

3.3.3.5.1 Temperature

The transport temperature requirements shall be as follows:

- a. Air Transport: -40°C to +66°C with gradient of 18°C per minute, and
- b. Truck or Rail: -18°C to +66°C with gradient of 3°C per minute.

3.3.3.5.2 Humidity

The transport humidity requirements shall be up to 100% relative humidity

3.3.3.5.3 Altitude

The transport altitude requirements shall be as follows

- a. Air Transport: --300 ft to +50,000 ft in non-pressurized compartment with a change of 2000ft per 1 minute, and
- b. Truck or rail: -300 to +8000 ft.

3.3.3.5.4 Vibration

The transport vibration requirements shall be as follows

- a. Air Transport:
 - 1. Steady state (not concurrent with gusts or landing); +/-0.5g peak amplitude, 15 Hz to 45 Hz, sinusoidal and +/-2.5g peak amplitude, 45 Hz to 300 Hz, sinusoidal,
 - 2. Landing;-2g peak amplitude with a frequency range of 7.5 Hz to 12.5 Hz and a decay rate of 0.8 (logarithmic decrement = 0.5) and
 - 3. Gusts; +/-1g versed sine acceleration, with a period of 0.5 to 2.0 seconds in the vertical direction.
- b. Truck or rail: +/-1.5g decaying sinusoidal vibration, with a decay rate of 0.05, 2 Hz to 300 Hz

3.3.4 Design and Construction

3.3.4.1 Hazardous Materials

Materials used in the fabrication shall not adversely affect the health of personnel.

3.3.4.1.1 Toxic Products and Formulations

Equipment material which has not been approved per NAVSEA S9510-AB-ATM-010C shall not be utilized in the construction of equipment to be installed on submarines in addition to the list below:

- a. Asbestos: asbestos compounds; and asbestos filled molding compounds
- b. Lithium and lithium compounds
- c. Magnesium and magnesium alloys
- d. Zinc and zinc alloys
- e. Carcinogens
- f. Radioactive materials

Critical Item Performance Specification CAVES Motion Sensor

- g. Polychlorinated biphenyl (PCB)
- h. Polyvinyl Chloride (PVC), except for component leads
- i. Mercury or its compounds and amalgams

3.3.4.1.2 Flammability

No material shall be used that supports combustion

3.3.4.2 Soldering

Soldering of electrical connections shall be in accordance with the policies and provisions of J-STD-001. This requirement does not apply to solder connections made to piezoelectric ceramics.

3.3.4.3 Identification and Product Marking

Each part shall be marked permanently and legibly in accordance with MIL-STD-130 or equivalent with following information.

- a. Vendor part number
- b. Vendor revision level
- c. Vendor serial number
- d. Vendor cage code
- e. Contract Number

**Critical Item Performance Specification
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4.0 QUALITY ASSURANCE PROVISIONS

PARAGRAPH	DESCRIPTION	QUAL METHOD					TEST TYPE				QUAL LEVEL			
		ANALYSIS	SIMULATION	DEMONSTRATION	INSPECTION	TEST	ENGR EVALUATION	FACTORY ACCEPTANCE	1 ST ARTICAL	CERTIFICATION	PARTS/COMPONENTS	SUBASSEMBLY	ASSEMBLY	PCA
3.1.1	Physical Definition				X					X1	X			
3.1.2	Functional Definition			X						X1			X	
3.1.3	Ambient Temperature and Pressure					X		X1	X1				X	
3.2.1	Physical Interface				X			X1					X	
3.2.2	Functional Interface			X						X1			X	
3.3.1	Performance					X			X2				X	
3.3.1.1.1	Acceleration Sensitivity					X			X2				X	
3.3.1.1.1.1	Varying Temperature and Pressure					X			X2				X	
3.3.1.1.2	Acceleration Sensitivity					X		X1	X1				X	
3.3.1.1.3	Directivity					X			X2				X	
3.3.1.1.4	Relative Phase					X			X2				X	
3.3.1.2.1	Capacitance					X		X1	X1				X	
3.3.1.2.1.1	Varying Temperature and Pressure					X			X2				X	
3.3.1.2.2	Loss Tangent					X		X1	X1				X	
3.3.1.2.2.1	Varying Temperature and Pressure					X			X2				X	
3.3.1.2.3	Isolation Resistance					X		X1	X1				X	
3.3.1.2.4	Polarity					X		X1	X1				X	
3.3.1.2.5	Unbalanced Impedance					X		X1	X1				X	
3.3.1.3	Piezoelectric Ceramic					X		X1	X1				X	
3.3.2.1	Dimensional Limits				X			X1	X1				X	
3.3.2.2	Weight Limits					X		X1	X1				X	
3.3.3.1.1	Operating Temperature					X			X2				X	
3.3.3.1.2	Non Operating Temperature					X			X2				X	
3.3.3.1.3.1	Manufacturing Thermal Shock					X		X1	X1				X	
3.3.3.1.3.2	Operating Thermal Shock					X			X2				X	
3.3.3.2	Hydrostatic Pressure					X			X2				X	
3.3.3.3	Explosive Shock					X			X2				X	
3.3.3.4	Extraneous Noise					X			X2				X	

**Critical Item Performance Specification
CAVES Motion Sensor**

PARAGRAPH	DESCRIPTION	QUAL METHOD					TEST TYPE				QUAL LEVEL			
		ANALYSIS	SIMULATION	DEMONSTRATION	INSPECTION	TEST	ENGR EVALUATION	FACTORY ACCEPTANCE	1 ST ARTICAL	CERTIFICATION	PARTS/COMPONENTS	SUBASSEMBLY	ASSEMBLY	PCA
3.3.3.5	Transportability					X			X2				X	
3.3.3.5.1	Temperature					X			X2				X	
3.3.3.5.2	Humidity					X			X2				X	
3.3.3.5.3	Altitude					X			X2				X	
3.3.3.5.4	Vibration					X			X2				X	
3.3.4.1.2	Flammability					X			X2				X	
3.3.4.2	Soldering			X						X1			X	
3.3.4.3	Identification and Product Marking				X			X1					X	

X1 Contractor Responsibility
X2 Government Responsibility

Table X. Test Requirements Matrix

DEPARTMENT OF DEFENSE CONTRACT SECURITY CLASSIFICATION SPECIFICATION <i>(The requirements of the DoD Industrial Security Manual apply to all security aspects of this effort. If additional guidance is needed contact the Contracting Officers Representative (COR) listed below.)</i>				1. CLEARANCE AND SAFEGUARDING a. FACILITY CLEARANCE REQUIRED SECRET b. LEVEL OF SAFEGUARDING REQUIRED SECRET																																																																																					
2. THIS SPECIFICATION IS FOR: <i>(X and complete as applicable)</i>			3. THIS SPECIFICATION IS: <i>(x and complete as applicable)</i>																																																																																						
a. PRIME CONTRACT NUMBER		X	a. ORIGINAL <i>(Complete date in all cases)</i>		Date (YYMMDD) 050801																																																																																				
b. SUBCONTRACT NUMBER			b. REVISED <i>(Supersedes all previous specs)</i>	Revision No.	Date (YYMMDD)																																																																																				
X	c. SOLICITATION OR OTHER NUMBER N66604-5157-01G4	Due Date (YYMMDD)	c. FINAL <i>(Complete item 5 in all cases)</i>		Date (YYMMDD)																																																																																				
4. IS THIS A FOLLOW-ON CONTRACT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO. If yes, complete the following: Classified material received or generated under _____ <i>(Preceding Contract Number)</i> is transferred to this follow-on contract.																																																																																									
5. IS THIS A FINAL DD FORM 254? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO. If Yes, complete the following: In response to the contractor's request dated _____, retention of the identified classified material is authorized for the period of _____.																																																																																									
6. CONTRACTOR <i>(Include Commercial and Government Entity (CAGE) Code)</i> a. NAME, ADDRESS, AND ZIP CODE THIS DD 254 IS A GUIDE FOR BIDDING PURPOSES ONLY. AN ORIGINAL DD 254 WILL BE ISSUED UPON CONTRACT AWARD.																																																																																									
b. CAGE CODE		c. COGNIZANT SECURITY OFFICE <i>(Name, Address, and Zip Code)</i>																																																																																							
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8. ACTUAL PERFORMANCE a. LOCATION																																																																																									
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9. GENERAL IDENTIFICATION OF THIS PROCUREMENT 4-CAVES MOTION SENSORS																																																																																									
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 35%;">10. CONTRACTOR WILL REQUIRE ACCESS TO:</th> <th style="width: 5%;">YES</th> <th style="width: 5%;">NO</th> <th style="width: 35%;">11. IN PERFORMING THIS CONTRACT, THE CONTRACTOR WILL:</th> <th style="width: 5%;">YES</th> <th style="width: 5%;">NO</th> </tr> <tr> <td>a. COMMUNICATIONS SECURITY (COMSEC) INFORMATION</td> <td></td> <td style="text-align: center;">X</td> <td>a. HAVE ACCESS TO CLASSIFIED INFORMATION ONLY AT ANOTHER CONTRACTOR'S FACILITY OR A GOVERNMENT ACTIVITY</td> <td></td> <td style="text-align: center;">X</td> </tr> <tr> <td>b. RESTRICTED DATA</td> <td></td> <td style="text-align: center;">X</td> <td>b. RECEIVED CLASSIFIED DOCUMENTS ONLY</td> <td></td> <td style="text-align: center;">X</td> </tr> <tr> <td>c. CRITICAL NUCLEAR WEAPON DESIGN INFORMATION</td> <td></td> <td style="text-align: center;">X</td> <td>c. RECEIVE AND GENERATE CLASSIFIED MATERIAL</td> <td style="text-align: center;">X</td> <td></td> </tr> <tr> <td>d. FORMERLY RESTRICTED DATA</td> <td></td> <td style="text-align: center;">X</td> <td>d. FABRICATE, MODIFY, OR STORE CLASSIFIED HARDWARE</td> <td></td> <td style="text-align: center;">X</td> </tr> <tr> <td>e. INTELLIGENCE INFORMATION:</td> <td></td> <td style="text-align: center;">X</td> <td>e. PERFORM SERVICES ONLY</td> <td></td> <td></td> </tr> <tr> <td>(1) Sensitive Compartmented Information (SCI)</td> <td></td> <td style="text-align: center;">X</td> <td>f. HAVE ACCESS TO U.S. CLASSIFIED INFORMATION OUTSIDE THE U.S., PUERTO RICO, U.S. POSSESSIONS AND TRUST TERRITORIES</td> <td></td> <td style="text-align: center;">X</td> </tr> <tr> <td>(2) Non-SCI</td> <td></td> <td style="text-align: center;">X</td> <td>g. BE AUTHORIZED TO USE THE SERVICES OF DEFENSE TECHNICAL INFORMATION CENTER (DTIC) OR OTHER SECONDARY DISTRIBUTION CENTER</td> <td></td> <td style="text-align: center;">X</td> </tr> <tr> <td>f. SPECIAL ACCESS INFORMATION</td> <td></td> <td style="text-align: center;">X</td> <td>h. REQUIRE A COMSEC ACCOUNT</td> <td></td> <td style="text-align: center;">X</td> </tr> <tr> <td>g. NATO INFORMATION</td> <td></td> <td style="text-align: center;">X</td> <td>i. HAVE TEMPEST REQUIREMENTS</td> <td></td> <td style="text-align: center;">X</td> </tr> <tr> <td>h. FOREIGN GOVERNMENT INFORMATION</td> <td></td> <td style="text-align: center;">X</td> <td>j. HAVE OPERATIONS SECURITY (OPSEC) REQUIREMENTS</td> <td></td> <td style="text-align: center;">X</td> </tr> <tr> <td>i. LIMITED DISSEMINATION INFORMATION</td> <td></td> <td style="text-align: center;">X</td> <td>k. BE AUTHORIZED TO USE THE DEFENSE COURIER SERVICE</td> <td></td> <td style="text-align: center;">X</td> </tr> <tr> <td>j. FOR OFFICIAL USE ONLY INFORMATION</td> <td style="text-align: center;">X</td> <td></td> <td>l. OTHER <i>(Specify)</i></td> <td></td> <td style="text-align: center;">X</td> </tr> <tr> <td>k. OTHER <i>(Specify)</i></td> <td></td> <td style="text-align: center;">X</td> <td></td> <td></td> <td></td> </tr> </table>						10. CONTRACTOR WILL REQUIRE ACCESS TO:	YES	NO	11. IN PERFORMING THIS CONTRACT, THE CONTRACTOR WILL:	YES	NO	a. COMMUNICATIONS SECURITY (COMSEC) INFORMATION		X	a. HAVE ACCESS TO CLASSIFIED INFORMATION ONLY AT ANOTHER CONTRACTOR'S FACILITY OR A GOVERNMENT ACTIVITY		X	b. RESTRICTED DATA		X	b. RECEIVED CLASSIFIED DOCUMENTS ONLY		X	c. CRITICAL NUCLEAR WEAPON DESIGN INFORMATION		X	c. RECEIVE AND GENERATE CLASSIFIED MATERIAL	X		d. FORMERLY RESTRICTED DATA		X	d. FABRICATE, MODIFY, OR STORE CLASSIFIED HARDWARE		X	e. INTELLIGENCE INFORMATION:		X	e. PERFORM SERVICES ONLY			(1) Sensitive Compartmented Information (SCI)		X	f. HAVE ACCESS TO U.S. CLASSIFIED INFORMATION OUTSIDE THE U.S., PUERTO RICO, U.S. POSSESSIONS AND TRUST TERRITORIES		X	(2) Non-SCI		X	g. BE AUTHORIZED TO USE THE SERVICES OF DEFENSE TECHNICAL INFORMATION CENTER (DTIC) OR OTHER SECONDARY DISTRIBUTION CENTER		X	f. SPECIAL ACCESS INFORMATION		X	h. REQUIRE A COMSEC ACCOUNT		X	g. NATO INFORMATION		X	i. HAVE TEMPEST REQUIREMENTS		X	h. FOREIGN GOVERNMENT INFORMATION		X	j. HAVE OPERATIONS SECURITY (OPSEC) REQUIREMENTS		X	i. LIMITED DISSEMINATION INFORMATION		X	k. BE AUTHORIZED TO USE THE DEFENSE COURIER SERVICE		X	j. FOR OFFICIAL USE ONLY INFORMATION	X		l. OTHER <i>(Specify)</i>		X	k. OTHER <i>(Specify)</i>		X			
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12. PUBLIC RELEASE. Any information (classified or unclassified) pertaining to this contract shall not be released for public dissemination except as provided by the Industrial Security Manual or unless it has been approved for public release by appropriate U.S. Government authority. Proposed public releases shall be submitted for approval prior to release

☐

Direct

☐

Through (Specify):

NONE AUTHORIZED

to the Directorate for Freedom of Information and Security Review, Office of the Assistant Secretary of Defense (Public Affairs) for review.
In the case of non-DOD User Agencies, requests for disclosure shall be submitted to that agency.

13. SECURITY GUIDANCE. The security classification guidance needed for this classified effort is identified below. If any difficulty is encountered in applying this guidance or if any other contributing factor indicates a need for changes in this guidance, the contractor is authorized and encouraged to provide recommended changes; to challenge the guidance or the classification assigned to any information or material furnished or generated under this contract; and to submit any questions for interpretation of this guidance to the official identified below. Pending final decision, the information involved shall be handled and protected at the highest level of classification assigned or recommended. *(Fill in as appropriate for the classified effort. Attach, or forward under separate correspondence, any documents/guides/extracts referenced herein. Add additional pages as needed to provide complete guidance.)*

CLASSIFIED AND UNCLASSIFIED TECHNICAL INFORMATION GENERATED UNDER THIS CONTRACT SHALL BE ASSIGNED A DISTRIBUTION STATEMENT BEFORE DISCLOSURE/DISTRIBUTION. CONSULT THE APPROPRIATE CLASSIFICATION GUIDE OR THE COR (CONTRACTING OFFICER'S REPRESENTATIVE) FOR INFORMATION ON APPLYING THE CORRECT DISTRIBUTION STATEMENT. THE FOLLOWING SECURITY CLASSIFICATION GUIDES APPLY TO THIS CONTRACT AND WILL BE FORWARDED UPON REQUEST:
OPNAVINST S5513.5B, ENCL. (2.1) - ACTIVE/PASSIVE/SPECIAL PURPOSE SUBMARINE SONARS AN/BQA-8; AN/BQH-8; AN/BQQ-3, -5B/C, -6 -9; AN/BQR-7, -15, -19, -20, -21, -T4; AN/BQR-22 SERIES (LESS AN/BQR-22A (EC-15)); AN/BQR-23; AN/BQS-4, -14, -15, -24, AND OL-218/BQ. OPNAVINST S5513.5B, ENCL. (3) - ACOUSTIC WARFARE, SUBMARINE. OPNAVINST S5513.5B, ENCL. (34.1) - SONAR AND ACOUSTIC WARFARE EXPLORATORY DEVELOPMENT. OPNAVINST S5513.5B, ENCL. (38.2) - SUBMARINE TECHNOLOGY, NUCLEAR AND CONVENTIONAL.

PERSONNEL ACCESSING CLASSIFIED INFORMATION IN THE PERFORMANCE OF THIS CONTRACT NEED ONLY POSSESS A SECURITY CLEARANCE AT THE LEVEL OF CLASSIFICATION NECESSARY TO ACCOMPLISH THE TASK. THE HIGHEST LEVEL OF CLASSIFICATION FOR THIS CONTRACT IS SECRET.

BLOCK 13 CONTINUED ON NEXT PAGE.

ESTIMATED COMPLETION DATE

1 DECEMBER 2010

COGNIZANT COR/PROGRAM MANAGER, NAME, CODE, TEL. NO.

DR. VICTOR EVORA, CODE 1514, (401) 832-8475

14. ADDITIONAL SECURITY REQUIREMENTS. Requirements, in addition to ISM requirements, are established for this contract. *(If Yes, identify the pertinent contractual clauses in the contract document itself, or provide an appropriate statement which identifies the additional requirements.)*

Provide a copy of the requirements to the cognizant security office. Use Item 13 if additional space is needed.)

YES

X

NO

15. INSPECTIONS. Elements of this contract are outside the inspection responsibility of the cognizant security office. *(If Yes, explain and identify specific areas or elements carved out and the activity responsible for inspections. Use Item 13 if additional space is needed.)*

YES

X

NO

16. CERTIFICATION AND SIGNATURE. Security requirements stated herein are complete and adequate for safeguarding the classified information to be released or generated under this classified effort. All questions shall be referred to the official named below.

a. TYPED NAME OF CERTIFYING OFFICIAL

KIM HOLDER

b. TITLE

Contracting Officer

c. TELEPHONE (Include Area Code)

401-832-1931

d. ADDRESS (Include Zip Code)

Naval Undersea Warfare Center Division, Newport
Code 553, B-80
1176 Howell St., Newport, RI 02841

e. SIGNATURE



17. REQUIRED DISTRIBUTION

X

a. CONTRACTOR

b. SUBCONTRACTOR

X

c. COGNIZANT SECURITY OFFICE FOR PRIME AND SUBCONTRACTOR

d. U.S. ACTIVITY RESPONSIBLE FOR OVERSEAS SECURITY ADMINISTRATION

X

e. ADMINISTRATIVE CONTRACTING OFFICER

X

f. OTHERS AS NECESSARY

BLOCK 13 (CONTINUED)

FOR OFFICIAL USE ONLY (FOUO) INFORMATION PROVIDED UNDER THIS CONTRACT SHALL BE PLACED IN AN OUT-OF-SIGHT LOCATION IF THE WORK AREA IS ACCESSIBLE TO PERSONS WHO DO NOT HAVE A NEED FOR THE INFORMATION DURING WORKING HOURS. DURING NONWORKING HOURS, THE INFORMATION SHALL BE STORED TO PRECLUDE UNAUTHORIZED ACCESS. FILING FOUO WITH UNCLASSIFIED RECORDS IN UNLOCKED FILES OR DESKS IS ADEQUATE WHEN INTERNAL BUILDING SECURITY IS PROVIDED DURING NONWORKING HOURS. WHEN SUCH INTERNAL SECURITY CONTROL IS NOT EXERCISED, LOCKED BUILDINGS OR ROOMS WILL PROVIDE ADEQUATE AFTER-HOURS PROTECTION OR THE MATERIAL CAN BE STORED IN LOCKED RECEPTACLES SUCH AS FILE CABINETS, DESKS, OR BOOKCASES. DESTRUCTION WILL BE BY THE SAME MEANS AS CLASSIFIED INFORMATION (I.E., SHREDDING, BURNING, ETC.).

CLASSIFIED MATERIAL GENERATED UNDER THIS CONTRACT WILL BE DERIVATIVELY CLASSIFIED (FROM SOURCE MATERIAL) OR CLASSIFIED IN ACCORDANCE WITH A SECURITY CLASSIFICATION GUIDE (SCG). ALL CLASSIFIED MATERIAL GENERATED SHALL BE MARKED WITH A DOWNGRADING STATEMENT:

DERIVED FROM: CITE THE SECURITY CLASSIFICATION GUIDE (INSTRUCTION AND APPLICABLE ENCLOSURE NUMBER(S)) OR IDENTIFY THE SOURCE USED AS THE BASIS FOR CLASSIFICATION. (EXAMPLES: DERIVED FROM: OPNAVINST S5513.5B, ENCLOSURE (98); OR

DERIVED FROM: MEMORANDUM DATED 12/1/03

SUBJ: FUNDING PROBLEMS DEPARTMENT OF PUBLIC WORKS)

DECLASSIFY ON: CITE THE DECLASSIFICATION INSTRUCTIONS FROM THE SECURITY CLASSIFICATION GUIDE OR CARRY FORWARD THE INSTRUCTIONS ON THE "DECLASSIFY ON" LINE OF THE SOURCE DOCUMENT. IF DERIVING FROM A SOURCE(S) MARKED WITH AN INDEFINITE DURATION OF CLASSIFICATION FROM PRIOR EXECUTIVE ORDERS ("OADR" OR "X1 THROUGH X8") INDICATE THE FACT THAT THE SOURCE DOCUMENT(S) WAS MARKED WITH EITHER OF THOSE INSTRUCTIONS AND CITE THE DATE OF THE SOURCE.

(EXAMPLE: DECLASSIFY ON: SOURCE MARKED OADR

DATE OF SOURCE: 12/1/03)

IF DERIVATIVELY CLASSIFYING FROM MULTIPLE SOURCES MAINTAIN THE IDENTIFICATION OF ALL CLASSIFIED SOURCES WITH THE FILE OR RECORD COPY OF THE DERIVATIVE DOCUMENT.

(EXAMPLE: DERIVED FROM: MULTIPLE SOURCES

SOURCE 1: MEMO OF MAY 5, 2004, DAVID SMITH, CHIEF, DIVISION 5, OFFICE OF ADMIN.,
DEPT. OF PUBLIC WORKS

SOURCE 2: REPORT OF OCT 20, 1996, LEIF ERIKSON, HEAD, GOOD MGMT. BRANCH,
DEPT OF TREES)

FOR THE "DECLASSIFY ON:" LINE, CITE THE SOURCE DOCUMENT THAT HAS THE LONGEST DURATION FOR CLASSIFICATION.

IF DERIVING CLASSIFIED INFORMATION FROM A SOURCE DOCUMENT MARKED "DERIVED FROM: MULTIPLE SOURCES" SPECIFICALLY IDENTIFY THE SOURCE DOCUMENT BY AUTHOR, DATE, AND SUBJECT.

(EXAMPLE: DERIVED FROM: MEMO DATED 12/1/03

DAVID SMITH

SUBJ: FUNDING PROBLEMS)